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CATALOG #18



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N° 18



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Catalog # 18 - August 1996

JAMES AND FELICIA KREUZER, PROPRIETORS

Well folks, its been 10 yrs since I sent a small number of you catalog #1. This cottage industry has really grown thanks to your interests and support! Always striving for improvements, we've been trying to regulate our mailings. At this time, there's hope we don't miss anyone as a result of summer holiday.

This particular catalog includes many titles from the IEEE Library, as well as other desirable books from our regular pickings. I'll be making my yearly pilgrimage to Radiofest in Elgin, IL, setting up on Wed-Fri, Aug 28-30. I'll also attend and display books & hardware at the AWA meet in Rochester, N.Y. from Wednesday September 4th til Saturday the 7th. Please let me know if you want me to deliver your order at either of these meets!!

During the last catalog, a problem with my Fax machine on April 15-16 coincided with a power failure. I'm afraid I might have lost some faxes during that time, and apologize to any who may have inadvertently received no response to your fax order!

You will notice the \$ 10 books are now listed in edited form, along with \$ 5 books. Beginning with this catalog, the \$ 5 books will not receive a 10% discount, so please make note!

We have applied for a Merchant Credit Card Account. If it is approved in time for the catalog, we will begin accepting credit cards, making ordering easier for our foreign customers.

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1. Shipping \$1.00 per book on orders under \$25.00;  
orders over \$25.00 are shipped free, except as noted.
2. All payments are to be in U.S. funds. English customers may forward payment to Len Kelly, 75/77 Chapel Street, Tiverton, Devon EX16 6BU, His phone # is 1884 256170, and he always carries a nice selection of books on broadcasting!
3. Overseas customers must pay shipping costs- \$ 3.00 PER BOOK
4. Books are guaranteed and may be returned for any reason within 7 days of receipt.
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\$5.00 BOOKS ARE EXCLUDED FROM THIS DISCOUNT!
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**NOTE: NEW FAX NUMBER!!!!**

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THE COVER ILLUSTRATION IS FROM ITEM # 553 ON PAGE 60

## AMATEUR BOOKS

1. DUBOVY, JOSEPH; **Complete Guide To Amateur Radio** . 1st edition, 1979. This comprehensive handbook covers every phase of amateur radio operation, especially the troubleshooting and maintenance data you need to keep your rig in peak running order! Includes a chipped dust jacket. 265 pages. 154 illus. Very Good condition. Uncommon. \$15.00
2. EITEL-MCCULLOUGH CO.; **Build Your Own Transmitter** . 1st edition, 1947. This bulletin was produced by Eimac and contains the necessary data to construct a complete transmitter. Included are plans for an RF Driver, 250 watt, 1kw, 5kw 10kw, preamplifier, line amplifier and power supply. 14 pages. 19 illus. Very Good condition. Scarce. Softcover. \$20.00
3. EVENSON, R.C. AND BEACH, O.R.; **Surplus Radio Conversion Manual, Vol.2** . 1st edition, 1948. This generously illustrated volume is dearly sought by hams who love using old army surplus gear. Surplus gear covered are as follows: ARC-5 "Command" series (both receivers and transmitters), BC-375, and the ever popular type LM Frequency Meter. 124 pages. Very Good condition. Uncommon. Softcover. \$25.00
4. EVENSON, R.C. AND BEACH, O.R.; **Surplus Radio Conversion Manual, Vol.1** . 2nd edition, 1948. This generously illustrated volume is a treasure to hams who love using old army surplus gear. The BC-342, BC-348, BC-221, BC-645, SCR-274, SCR-522, TBY transceiver are just a few prime examples. 115 pages. Very Good condition. Uncommon. Softcover. \$25.00
5. GAGER, F. MALCOLM AND AMY, E.V.; **Radio Transmitters** . 1st edition, 1941. Published by ITC, this book is divided into 3 parts; Fundamental Transmitter Circuits, Radio-Telegraph Circuits, and the last is Radio-Telephone Circuits. All areas of vacuum tube transmitters are covered, including amateur, broadcast and commercial types. 197 pages. 86 illus. Very Good condition. Scarce. \$20.00
6. HARPER, A.E.; **Rhombic Antenna Design** . 1st edition, 1941. This text was compiled for the convenience of engineers and hams engaged in the design of short wave radio communication circuits. The horizontal rhombic antenna methods are discussed and mechanical construction practices are described. Includes many tables, graphs and folding diagrams. Contains an extensive bibliography. From the IEEE. 111 pages. 41 illus. Very Good condition. Scarce. \$35.00
7. JAMES, W.; **Wireless Valve Transmitters** . 1st edition, 1924. This rare volume covers the design and operation of transmitting apparatus. Containing many illustrations, it encompasses both CW and wireless telephony. One of the first books written on the subject. 271 pages. 210 illus. Very Good condition. Scarce. \$45.00
8. JASIK, HENRY; **Antenna Engineering Handbook** . 1st edition, 1961. Edited by Jasik, this book has no less than 39 renowned contributors, all of them specialists in the field of antennas, from long wire to complicated arrays. Containing over 1000 illustrations and line drawings, It is one of the most complete treatises on antenna theory and application. 987 pages. Fine condition. Scarce. \$85.00

Amateur Books

9. JONES, FRANK; 5 Meter Radiotelephony . 2nd edition, 1934. One of the first publications dedicated to the 5 meter band, this nicely illustrated book includes details on building a number of sets, including AC, DC and battery operation. Even the new "Acorn" pentode is utilized in a transceiver. The spine has been reinforced with tape. 48 pages. 76 illus. Good + condition. Rare. Softcover. \$25.00

10. ORR, WILLIAM I.; Beam Antenna Handbook . 2nd edition, 1955. The perfect book for experimenting and constructing your own beam antennas, specifically providing the design, adjustment and evaluation criteria for parasitic arrays. 200 pages. Very Good condition. Uncommon. Softcover. \$15.00

11. ORR, WILLIAM I.; Radio Handbook . 21th edition, 1978. Originally published in 1934, this edition joins its predecessors as a standard reference for ham radio operators everywhere. Topics include new amplifier designs, theory and construction of various circuits, as well as many other areas of interest for the serious engineer. In like new condition. 1135 pages. 265 photos. 999 illus. Fine condition. Uncommon. \$15.00

12. SCHELKUNOFF, SERGEI A.; Antennas- Theory and Practice . 1st edition, 1952. This book is about antennas and the physical principles underlying their behavior, it incorporates the theory needed for sound antenna design, plan meaningful experiments, & applications to a variety of frequency ranges. The cover is worn and the spine is reinforced with tape. From the IEEE Library. 639 pages. 487 illus. Fair condition. Scarce. \$20.00

ATOMIC ENERGY

13. WOODBURY, DAVID O.; Atoms For Peace . 1st edition, 1955. This well-researched book examines the use and possibilities of atomic power in areas such as transportation, medicine, and industry. A very timely and insightful book when one considers our absorption with the atom for use in defense. 259 pages. Fine condition. Uncommon. Dust Jacket. \$20.00

BROADCASTING 1920-30

14. "DICTRON"; Wireless Step by Step . 1st edition, 1929. An interesting title written for the newcomer to the broadcast craze during the 1920's. The author remains a mystery, (if anyone could reveal his identity, I would appreciate it.) Most of this book covers the use of the valve in wireless telegraphy & telephony. This is the 4th printing, & 7 pages have notes written along the margins. 185 pages. 46 illus. Good + condition. Scarce. \$15.00

15. ATWATER KENT; Atwater Kent Service Manual . 1st edition, 1929. This is the noted A-K service manual ranging from the model 10, 108 and 12 breadboards to the later model AC sets. Atwater Kent speakers and phonographs are included, as well as parts lists using A-K part numbers. Bound in the A-K leatherette cover it has seen much use in a service department, the spine is worn & split. This baby weighs 4 lbs! 379 pages. condition. Rare. \$70.00

Broadcasting 1920-30

16. DOWSETT, H. M.; *Wireless Telephony And Broadcasting* . 1st edition, 1924. Contained in two volumes, this is probably the most complete work done on wireless telegraphy in the United Kingdom for its time. An in depth history is included as well as hundreds of photos and illus. of early wireless gear. This is a very nice set with slight wear to the covers. 442 pages. Very Good condition. Rare. \$155.00

17. E.T. CUNNINGHAM INC.; *Cunningham Tube Data Book* . 1st edition, 1929. This is a loose-leaf volume containing the correct radio tube layout for many battery and early AC radio receivers. Included are Atwater - Kent, Crosley, Federal, Grebe, Kennedy, RCA, Zenith, etc.. The covers are worn and stained, as are a few of the pages, this is a seldom seen volume. 116 pages. Good + condition. Scarce. \$30.00

18. EXPERIMENTER PUBLISHING CO.; *Radio News Amateurs' Handbook* . 1st edition, 1924. A selected series of instructive articles for both the amateur and layman. A treasure trove of pre 1925 battery sets are described and illustrated, and construction details are given for many of the sets. Contains hundreds of illustrations and diagrams. 210 pages. Good + condition. Scarce. Softcover. \$30.00

19. FLEMING, JOHN AMBROSE; *An Introduction To Wireless Telegraphy and Telephony* . 1st edition, 1923. Written by one of the most respected engineers in the field, this book is aimed at the general reader with an interest in wireless telegraphy and telephony. Contains many photos and illustrations of early Marconi apparatus. A library label is on the front cover. 112 pages. 65 illus. Very Good condition. Scarce. \$40.00

20. GERNSBACH, SYDNEY; *S. Gernsbach's Radio Encyclopedia* . 1st edition, 1927. A very nice copy of this famous book. Profusely illustrated with all types of wireless apparatus and components, it explains thoroughly their design and operation. Many short biographies of radio inventors are included in this large format (8 1/2 x 11) book. The nicest copy we've had. 168 pages. Fine condition. Rare. \$45.00

21. GUNTHER, HANS; *Radiotechnik* . 1st edition, 1921. A German language text on the subject of wireless, before the broadcasting craze took hold in Germany. The illustration opposite the title page portrays early pioneers of wireless- nice! 77 pages. 28 illus. Very Good condition. Rare. \$50.00

22. H.M.S.O.; *The Admiralty Handbook Of Wireless Telegraphy 1925* . 2nd edition, 1925. An in-depth study of the art of wireless telegraphy, written by His Majesty's Stationary Office. Covered are all types of receivers and transmitters including the Poulsen Arc, radiotelephony, and the vacuum tube. Contained in a worn 3/4 leather library binding. 547 pages. 358 illus. Good + condition. Scarce. \$40.00

23. JAMES, W.; *The Home Constructor's Wireless Guide* . 1st edition, 1924. This generously illustrated book does a complete job of teaching the building of crystal and one-tube receivers at home. The cover is nicely illustrated showing a man constructing a wireless set. 199 pages. 95 illus. Fine condition. Scarce. \$15.00

Broadcasting 1920-30

COOMIS, MARY TEXANNA; Radio Theory and Operating . 5th edition, 1930. This highly desirable volume contains everything from basic theory to completed transmitters and receivers. Profusely illustrated with many photos of early radios and wireless gear, it also includes an interesting chapter on early television, even showing a cathode-ray tube! 1006 pages. 803 illus. Very Good condition. Uncommon. \$45.00

25. McGRAW-HILL CO.; The Radio Trade Catalog . 1st edition, 1926. This seldom seen directory, for August, 1926 is Volume II, # 3. It lists the names and addresses of American manufacturers of everything used in construction, maintenance and operation of radio apparatus, both transmitting and receiving. Includes many neat advertisements. This is the finest copy of this title we've ever seen! 238 pages. Fine condition. Scarce. \$75.00

26. MILLS, JOHN; Letters of a Radio-Engineer To His Son . 1st edition, 1922. This book is a collection of chronologically arranged letters from John Mills, engineer in the Western Electric Company, to his son. It is a simple, yet useful explanation of radio-telephony and how to build a radio set. Depicted are nice photos of tubes, receivers, and related equipment. A very clean copy. 265 pages. 12 photos. 135 illus. Very Good condition. Uncommon. \$15.00

27. MOULLIN, E.B.; The Theory and Practice Of Radio Frequency Measurements . 1st edition, 1926. The first book devoted to radio frequency, using the valve as a generator, written especially for use as a laboratory manual. Test instruments and hookups are shown when possible, while many diagrams reinforce the text. 278 pages. 134 illus. Very Good condition. Scarce. \$20.00

28. NATIONAL BROADCASTING CORP.; Broadcasting To All Homes . 1st edition, 1935. An uncommon collection of four volumes which fit in a nice leatherette slipcase. All areas of broadcasting are covered, as well as public affairs, music, literature, and art. From the Broadcast Pioneers' Library. 320 pages. 20 illus. Very Good condition. Scarce. \$30.00

29. NESPER, DR. EUGEN; Der Radio-Amateur "Broadcasting" . 3rd edition, 1924. A very interesting German text which describes in detail the type of wireless apparatus in use during the early 1920's. Many neat German radio sets are illustrated, as well as early tubes and detectors. Includes 54 pages of various German wireless company ads at the rear. 371 pages. 377 illus. Good + condition. Rare. \$65.00

30. PRITCHARD, J.LAWRENCE AND HOBBS, EDWARD W.; Wireless Construction . 1st edition, 1925. An excellent English book which shows the construction of many pieces of wireless gear from a simple crystal set to a valve operated receiver driving a horn. An early British receiver is embossed on the front cover. 264 pages. 32 photos. 173 illus. Very Good condition. Scarce. \$45.00

Broadcasting 1920-30

31. **RCA; The Radio Institute Of America** . 1st edition, 1928. This large loose-leaf binder provides the student with a lesson for everything about radio. About 1/4 of the binder is RCA lessons and schematic diagrams of early receivers, the balance are lessons on radio from the Chicago Radio & Television Institute from 1930. The binding is over 3" thick! Contains many seldom seen schematics! 600 pages. Good + condition. Rare. \$25.00

32. **ROBISON, S.S.; Radio Telegraphy and Telephony** . 6th edition, 1924. This book is nicely illustrated with many photos of radio equipment. A large book, this volume was written for the use of naval radiomen. All facets of radio communication are covered, such as spark transmitters, arc transmitters, and many types of receivers. From The IEEE Library. 895 pages. 453 illus. Good + condition. Uncommon. \$30.00

33. **SLEEPER, M.B.; Construction Of New Type Transatlantic Receiving Sets** . 1st edition, 1922. This book contains complete information, with illustrations, hook-ups and photographs on how to build and use trans-oceanic receiving sets. Written by the famous author, information is also given on the use of the loud speaker and a schedule of transatlantic stations. 113 pages. 47 illus. Good + condition. Rare. Softcover. \$30.00

34. **SMITH, J. O.; Modern Radio Operation** . 1st edition, 1922. An excellent book for the radio enthusiast. Contains chapters on the radio telephone, spark vs. CW transmission, vacuum tube fundamentals, transmitting circuits, and general information for the amateur. Includes many photos and illustrations of early equipment and stations. 138 pages. 34 photos. 33 illus. Very Good condition. Scarce. \$20.00

35. **THE CHIEF SIGNAL OFFICER; U. S. Army Radio Operator Training Manual** . 1st edition, 1925. This volume, published by the Government Printing Office, is titled; Training Manual No. 27, Radio Operator Part I, Radio Sets, Instructors Guide. This book has everything, from theory and practice to individual descriptions and tests for many sets including the SCR-61, SCR-74, SCR-54A (BC-15), 72, 95, 105, 79, 67, 77, 130, 109 ....etc.. 412 pages. 125 illus. Fine condition. Uncommon. \$45.00

36. **TURNER, L. B.; Wireless Telegraphy And Telephony** . 1st edition, 1921. An outline for electrical engineers and others interested in the art. Includes many great photos of early apparatus I haven't seen in other books or publications. The front cover is embossed with a British "R" valve. 195 pages. 24 photos. 118 illus. Very Good condition. Scarce. \$45.00

**BIOGRAPHIES**

37. **BAKER, E.C.; Sir William Preece- Victorian Engineer Extraordinary** . 1st edition, 1976. This is the first book length biography done on a most important electrical pioneer and engineer. He played a large part in the development of the electromagnetic telegraph, the telephone, and even helped Marconi with his early wireless telegraph experiments. Includes a listing of his principal lectures, publications, and patents. 377 pages. 12 photos. 23 illus. Fine condition. Uncommon. Dust Jacket. \$45.00

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24. LOOMIS, MARY TEXANNA; Radio Theory and Operating . 5th edition, 1930. This highly desirable volume contains everything from basic theory to completed transmitters and receivers. Profusely illustrated with many photos of early radios and wireless gear, it also includes an interesting chapter on early television, even showing a cathode-ray tube! 1006 pages. 803 illus. Very Good condition. Uncommon. \$45.00

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### Biographies

38. BRUCE, ROBERT V.; Alexander Graham Bell and The Conquest Of Solitude . 1st edition, 1973. This remarkable biography presents the first intimate look at the inventor of the telephone. The author was fortunate enough to be able to work with Bell's notebook, letters and papers. 564 pages. 27 illus. Very Good condition. Uncommon. Dust Jacket. \$30.00

39. DEFOREST, LEE; Father of Radio . 1st edition, 1950. An intimate autobiography by one of the most interesting and versatile geniuses that ever lived. DeForest was a pioneer in early wireless and formed one of the first companies in America. He also invented the 3- element vacuum tube. Includes his patent list, which covers 47 years. 502 pages. 33 photos. 8 illus. Very Good condition. Scarce. Dust Jacket. \$65.00

40. GLADSTONE, J.H.; Michael Faraday . 2nd edition, 1873. A well-written biography of the famous electrician responsible for the discoveries leading to many electrical inventions. This early work, written by a friend of Faraday's, contains some interesting facts not brought out elsewhere. 223 pages. Very Good condition. Rare. \$55.00

41. HILL, J. ARTHUR; Letters From Sir Oliver Lodge . 1st edition, 1932. The letters in this volume were selected from the author's collection during a period from Jan. 1909-Feb. 1932. They explore Lodge's views many topics; from wireless telegraphy to ghosts and God. A very interesting view of Oliver Lodge. 267 pages. 4 photos. Very Good condition. Scarce. Dust Jacket. \$35.00

42. JACOT, B.L. AND COLLIER, D.M.B.; Marconi- Master Of Space . 1st edition, 1935. A fine biography of Marconi, published in London, and being the first authorized by the old man, while he was still alive. After learning of this book's existance I searched high and low until I was thrilled to locate one for my library; this is only third copy I've been fortunate enough to find. 287 pages. 16 photos. Very Good condition. Rare. \$115.00

43. JOLLY, W.P.; Marconi . 1st edition, 1972. This biography of the Father of Radio is the first to separate fact from rumor about this genius who inspired both hatred as well as admiration. Includes details surrounding the Marconi Scandal, tempestuous love affairs, and his escape from death on the Lusitania. 292 pages. 24 photos. Fine condition. Scarce. \$30.00

44. JONES, FRANCIS ARTHUR; Thomas A. Edison; Sixty Years Of An Inventor's Life . 1st edition, 1907. An excellent biography on the early days of this great inventor. The author, while doing a series of interviews with Edison for a magazine article, was invited by the great man to use the Edison Library for his research, and ended up becoming a personal friend. 375 pages. 20 photos. Very Good condition. Scarce. \$45.00

45. KING, A.G.; Kelvin The Man . 1st edition, 1925. The famous scientist whose work on thermodynamics and the electric telegraph have guaranteed him a place in scientific history. An excellent biographical sketch by his niece. One of the few accurate biographies about Kelvin. 142 pages. 12 photos. Good + condition. Rare. \$45.00

Biographies

46. LEONARD, JONATHON NORTON; LOKI - The Life of Charles Proteus Steinmetz . 2nd edition, 1932. This is the famous biography about the mathematical genius of General Electric. It tells of his personal life as well as his work on the alternating current motor. 291 pages. 8 photos. Very Good condition. Uncommon. \$30.00

47. LESSING, LAWRENCE; Man of High Fidelity: Edwin Howard Armstrong . 1st edition, 1956. The story of the greatest American inventor since Edison, Armstrong discovered the regenerative circuit, superheterodyne circuit and developed the FM mode of communication. Including an excellent dust jacket, this is a presentation copy signed by the author, the first one we've ever had for sale! 320 pages. 16 photos. 12 illus. Fine condition. Rare. \$125.00

48. MCCLURE, J.B.; Edison and His Inventions . 2nd edition, 1898. The 2nd ed. of the first book published about Edison and his early work, including many incidents and interesting particulars connected with the life of this great inventor. Includes full explanations of the telephone, phonograph, and electric light. Contains many nice engravings of his inventions, the cover is beautifully embossed. 290 pages. 103 illus. Good + condition. Rare. \$115.00

49. SOLARI, LUIGI; Marconi- Nell'intimata E Nel Lavoro . 1st edition, 1940. This biography was written by one of Marconi's earliest assistants and friend throughout his life. Written entirely in Italian, Solari had a front row seat to the discoveries and primitive experiments Marconi performed early in his career. Contains many photos I've never seen before. The covers are dampstained, not affecting the text. 355 pages. 51 illus. Fair condition. Rare. \$95.00

50. THE WISDOM SOCIETY; The Wisdom Of Sarnoff and The World Of RCA . 1st edition, 1968. An exceedingly rare biography of Sarnoff, never endorsed by him to sell. A nationwide attempt was made to invalidate the book and returns actively solicited through RCA (ref. "The General" page 273). Most copies were subsequently returned, this volume is one of the few which survived. Includes a rarely seen dust jacket. Profusely Illustrated! 449 pages. Fine condition. Very Rare. \$120.00

51. THOMPSON, J.S. AND THOMPSON, H.G.; Silvanus Phillips Thompson; His Life and Letters . 1st edition, 1920. An excellent reference for a researcher in early Electrical Science, for Thompson authored many books on the lives and works of other electricians. A detailed account, it also includes a nice 10-page bibliography. The pages are uncut. 372 pages. 13 photos. Good + condition. Rare. \$55.00

52. WATSON, THOMAS A.; Exploring Life; The Autobiography Of Thomas Watson . 1st edition, 1926. A comprehensive biography of the telephone pioneer from his early days through his successful work with Alexander Graham Bell. He describes the court battles with many individuals and ultimate decisions in Bell's favor, as well as his life's work after the invention of the telephone. The covers are lightly stained. 315 pages. Very Good condition. Scarce. \$35.00

### Biographies

53. WOODBURY, DAVID O.; Elihu Thomson; Beloved Scientist . 1st edition, 1944. A complete biography of this most fascinating pioneer of the electrical age. He is credited with almost 800 electrical patents beginning with wireless telegraphy in 1875. He went on to invent many electrical items in use today. 358 pages. 20 photos. Very Good condition. Scarce. \$25.00

### BIBLIOGRAPHY/REF

54. RONALDS, SIR FRANCIS (THE RONALDS LIBRARY); Catalogue of Books and Papers Relating To Electricity and the Electric Telegraph . 1st edition, 1880. This rarely seen catalog has now been reprinted, as a Limited Edition (150 copies). Probably the best bibliography ever printed on early and important books relating to telegraphy and electricity, containing over 13,000 entries of books, pamphlets and serials. This is one reference book I DO USE to help construct this catalog! Its great! 552 pages. New condition. Common. \$75.00

### BROADCASTING, SOCIAL

55. ARNOLD, FRANK A.; Broadcast Advertising- The Fourth Dimension . 1st edition, 1931. This is the first and only history on radio advertising, written by an authority who had a hand in the first commercial broadcast by station KDKA. The facts represent the author's personal experience as a pioneer in the field. The first time we've seen this title! 275 pages. Good + condition. Rare. \$45.00

56. CHAPPELL, MATHEW N. AND HOOPER, C.E.; Radio Audience Measurement . 1st edition, 1944. This was the first book of its kind. It combines in an extraordinary manner the technical, professional and commercial appeal. Underlying and graphically depicting the collection, arrangement, and dissection of data, are 15 tables and 43 charts. Very interesting reading! 246 pages. 41 illus. Very Good condition. Scarce. Dust Jacket. \$15.00

57. CHILDS, HARWOOD L. AND WHITTON, JOHN B.; Propaganda by Short Wave . 1st edition, 1942. A worldwide effort was made in WWII by Princeton University to monitor shortwave radio broadcasts for propaganda. The 100 volumes of obtained transcripts became the basis for this unusual volume. A behind the scenes look at how radio was used to manipulate the mind of the general public. 345 pages. Very Good condition. Scarce. \$20.00

58. CORRELL & GOSDEN; All About Amos 'n' Andy and Their Creators Correll & Gosden . 1st edition, 1929. A rarely seen book which presents a behind the scenes view of the two famous men who gave so much enjoyment over the early broadcast years. A biography with photos, a must for the collector of Amos 'n' Andy material. 127 pages. 31 photos. Very Good condition. Rare. \$40.00

Broadcasting, Social

59. MADDEN, GEORGE S. AND FRIEDERSDORF, BURK; *From Crystal to Color: WFBM*. 1st edition, 1964. The intimate, behind-the-scenes story of the Indianapolis Radio-TV station WFBM. One of the pioneers in broadcasting, this book covers the intense period of development in communication from 1924-1964. Contains many early photos of the station and related equipment. 190 pages. 67 photos. Fine condition. Uncommon. Dust Jacket. \$20.00

60. NATIONAL BROADCASTING CO.; *The NBC Digest*. 1st edition, 1946. This is Volume 1 and 2, contained in two matching bindings. Published quarterly, Vol 1 # 1 is October, 1946 while Vol.2 # 4 is July, 1948, a total of 8 issues. The main content is \* Discussion \* Comment \* Drama \* Humor \*. These are in perfect condition complete with covers and are from the National Broadcasting Company Library. 533 pages. Fine condition. Rare. \$65.00

61. PERRY, DICK; *Not Just A Sound; The Story Of WLW*. 1st edition, 1971. Written by a former producer-director of ABC TV, this book takes Powell Crosley's station from its birth in 1922 through the broadcast era. Contains many photos of early performers and studios. 242 pages. Fine condition. Rare. Dust Jacket. \$25.00

COMPUTER

62. BERNSTEIN, JEREMY; *The Analytical Engine*. 1st edition, 1964. A thought-providing account of the past, present, and future of the computer. This book provides the common reader with an understanding of the machine that was to change the world. Includes a nicely illustrated dust jacket, this is a copy of the 10th printing. 113 pages. Fine condition. Common. Dust Jacket. \$20.00

63. FOY, NANCY; *The Sun Never Sets On IBM*. 1st edition, 1975. This book explores the mystique of the IBM culture, and was published with the help of many ex- IBM employees and anonymous insiders. Both truth and folklore are investigated for the first time in this interesting expose'. 218 pages. Fine condition. Uncommon. Dust Jacket. \$15.00

64. HARTREE, DOUGLAS R.; *Calculating Instruments and Machines*. 1st edition, 1953. This is a history of the progress in the development and use of high-speed computing devices. It deals with specific devices in terms of their design, philosophy and internal organization. Includes some nice photos of early large-scale computers. Contains an extensive bibliography. From the Drexel Institute Library. 138 pages. 68 illus. Very Good condition. Scarce. \$45.00

65. HARVARD UNIVERSITY PRESS; *TProceedings of A Symposium On Large-Scale Digital Calculating Machinery*. 1st edition, 1948. An excellent volume giving the results of the 1947 symposium at Harvard. Included is a section on the Eniac and the Mark II with large page length photos of each. The work of Charles Babbage is discussed, as well as including many photos and diagrams of large room-sized computers. 302 pages. Very Good condition. Rare. \$65.00

Computer

66. MCKAY, DONALD M. AND FISHER, MICHAEL E.; *Analogue Computing At Ultra-High Speed*. 1st edition, 1962. This work falls into three parts- The first a short discussion of computation in the abstract, and what the requirements of a computer are. The 2nd is devoted to descriptions of electronic techniques developed for the highest speed, & the 3rd surveys the field of future applications opened up by the lightning fast computer. 395 pages. 378 illus. Very Good condition. Scarce. Dust Jacket. \$30.00

67. MILLMAN, JACOB AND TAUB, HERBERT; *Pulse and Digital Circuits*. 1st edition, 1956. This text provides a description and an analysis of the circuits and techniques common to the digital computer. One of the McGraw-Hill Electronic Engineering Book Series, this work imparts a deep theoretical understanding of all types of pulse and digital circuits. 687 pages. 496 illus. Very Good condition. Scarce. Dust Jacket. \$20.00

68. NETT, ROGER & HETZLER, STANLEY A.; *An Introduction To Electronic Data Processing*. 1st edition, 1959. This book was written for those who were to join the "Computer Movement", one of the most phenomenal eras of mankind. It begins with a historical review and leads into the principles and applications of various types and brands of computers then on the market. An extensive 6 page bibliography is included. 287 pages. Very Good condition. Uncommon. \$20.00

69. PFEIFFER, JOHN; *The Thinking Machine*. 1st edition, 1962. An entertaining introduction to the world of the computer, from Babbage's ideas to descriptions of the ENIAC, missile tracking systems, artificial intelligence and miniature electronic circuits in 1962! 243 pages. 13 photos. Fine condition. Uncommon. Dust Jacket. \$15.00

70. SATTINGER, IRVIN J.; *Applying Computers*. 1st edition, 1959. This volume was written to ease the transition to computer use for Army personnel in the tank-automotive command. A sometimes humorous guide, it showed how one could use the computer to solve analytical problems in engineering. 135 pages. 31 illus. Very Good condition. Scarce. \$25.00

71. WILLIAMS, R.W.; *Analog Computation*. 1st edition, 1961. This title presents a broad survey of the electronic and electro- mechanical analog field, concentrating on components and techniques. Sufficient detail has been included for the book to appeal to designers, both actual and potential, of analog equipment. 271 pages. 186 illus. Very Good condition. Scarce. Dust Jacket. \$20.00

ELECTRICITY

72. (LORD KELVIN) THOMSON, SIR WILLIAM; *Electrostatics and Magnetism*. 1st edition, 1872. This book was written by Sir William Thomson, also known as Lord Kelvin. Consisting chiefly of reprinted articles on Electrostatics and electromagnetism, it was originally published in the previous 30 yrs. Electrometers, leyden jars, and induction coils are all covered in this rarely seen volume. A must for the historical electrical library. 592 pages. Good + condition. Rare. \$165.00

### Electricity

73. (TRADE CATALOG); Western Electric Co. 1916 . 1st edition, 1916.  
The most fantastic electrical supplies catalog we've come across!  
Hardbound and in great condition, you name it and its here! Every kind of  
telegraph apparatus is contained in this catalog, including 28 pages of  
insulators, keys, sounders and relays. Early meters & test instruments,  
and even electric fans, arc lamps and much much more! 1504 pages. Very  
Good condition. Very Rare. \$195.00

74. (TRADE CATALOG); Weston Electrical Instrument Catalog 1930 . 8th  
edition, 1930. A wonderful catalog listing and illustrating Weston's  
products for 1930. Complete from wattmeters to tube testers, it's all  
here. Except for binder holes punched along the spine, it's in near perfect  
condition. 94 pages. Very Good condition. Scarce. Softcover. \$35.00

75. (TRADE CATALOG); Towson & Mercer Catalogue of Scientific Apparatus for  
Physical Laboratories . 18th edition, 1924. A spectacular trade  
catalog that includes demonstration apparatus for sound, light, heat,  
frictional and voltaic electricity & mathematical instruments. Pictured  
are many static machines & accessories, wireless receiving sets, telegraph  
apparatus, galvanometers, geissler and Crookes' tubes, induction coils,  
telephones, motors and dynamos. 433 pages. 999 illus. Very Good condition.  
Very Rare. \$135.00

76. (TRADE CATALOG); Chicago Apparatus Co. Catalog #46 . 1st edition,  
1936. A nice hardbound catalog of physical instruments, apparatus and  
supplies. Included are static machines, X-ray tubes, Geissler tubes,  
Crookes' tubes, coherer wireless outfits, telegraph apparatus,  
galvanometers and other great demonstration gear. It even depicts early  
cathode-ray oscilloscope test equipment. Nice! 472 pages. Very Good  
condition. Rare. \$95.00

77. ADAMS, EDWARD DEAN; Niagara Power, Volumes I and II . 1st edition,  
1928. A history of the Niagara Falls Power Company and evolution of its  
central power station and alternating current system. These two large  
volumes contain a wealth of information along with hundreds of photos, and  
are the most complete account ever written on the subject. The work of  
Westinghouse and Tesla is described in detail. A super item! 949 pages.  
277 illus. Very Good condition. Scarce. \$115.00

78. ANGELL, JOHN; Elements Of Magnetism and Electricity . 1st edition,  
1874. A nice representation of early electrical apparatus. Numerous  
engravings of static machines, electroscopes, galvanometers and other  
related equipment are displayed, along with practical instruction for  
experimentation. 176 pages. 120 illus. Good + condition. Scarce. \$55.00

79. AYRTON, W. E.; Practical Electricity . 4th edition, 1889. A  
laboratory and lecture course for first year students of electrical  
engineering, based on the practical definitions of the electrical units.  
Contains many fine illustrations of early electrical apparatus, including  
galanometers, and other early testing apparatus. Written by the pioneer in  
the development of potential indicators. Spots on cover 516 pages. 180  
illus. Good + condition. Rare. \$45.00

## Electricity

80. CASSIER'S MAGAZINE; *The Harnessing of Niagara* . 1st edition, 1895.  
A complete story of the Niagara power enterprise in ten articles with nearly 200 illustrations told through Cassier's magazine. Portraits of the officers, directors, engineers and others involved are included, as well as many views of the falls. The title is gold embossed, the volume is probably a special limited edition. 1st copy we've seen! 124 pages. 111 photos. 70 illus. Very Good condition. Very Rare. \$65.00

81. CHALMERS, JOHN A.; *Atmospheric Electricity* . 1st edition, 1950. A comprehensive text on the subject, for use as a reference. A brief discussion of the historical background, leads into the most recent work on atmospheric electricity and the problems involved. Even the subject of ball lightning is discussed. A detailed bibliography is included. The edges of the cover are somewhat stained. 175 pages. 36 illus. Good + condition. Scarce. \$20.00

82. DARROW, KARL KELCHNER; *Electrical Phenomena In Gases* . 1st edition, 1932. This book explains extensively the conduction of electricity through gases. Beginning with the production of ions it leads into their movement and subsequent deflection and diffusion. The latter chapters touch upon thermionic emission and various luminous discharge. 492 pages. 91 illus. Very Good condition. Scarce. \$45.00

83. DESCANDEL, A. PRIVAT AND (TRANSLATOR) EVERETT, PROF. J.D.; Deschanel's *Natural Philosophy: Part III Electricity and Magnetism* . 1st edition, 1881. A fascinating volume, complete in itself (the other volumes, I, II and IV are on heat, light and mechanics). The static machine is covered in depth, along with great illustrations of early & seldom seen apparatus. Galvanometers, Crookes' tubes, (Contains a great color plate of tubes in action) and all forms of the telegraph are included. 278 pages. 230 illus. Very Good condition. Rare. \$95.00

84. DIBNER, BERN; *The Ten Founding Fathers of the Electrical Science* . 1st edition, 1954. A fine work consisting of a short biography of these early experimenters: Gilbert, Guericke, Franklin, Volta, Ampere, Ohm, Gauss, Faraday, Henry, and Maxwell. Many fine illustrations of the men are also included. 48 pages. 21 illus. Very Good condition. Uncommon. Softcover. \$20.00

85. DUNLAP, CARL H., SIEFERT, B. S., AND AUSTIN, FRANK E.; *Transformers: Principles and Applications* . 1st edition, 1955. A straightforward approach to the design, construction, theory and operation of small transformers. Many drawings complement the text, making this volume a valuable asset for beginner and experienced alike. 277 pages. 49 illus. Very Good condition. Uncommon. \$30.00

86. FLEMING, J.A.; *Fifty Years of Electricity* . 1st edition, 1921. This profusely illustrated volume documents the progress of electrical technology from 1870 - 1920. Fleming's first-hand account of the development of telegraphy, telephony, motors, dynamos, electric lamps, and wireless telegraphy is well presented. Nicely rebound with the original title laid on, the first 4 pgs are worn on the bottom corner. 371 pages. 110 photos. 167 illus. Good + condition. Rare. \$95.00

### Electricity

87. GENERAL ELECTRIC CO.; General Electric Instruction Books . 1st edition, 1910. This is a loose-leaf volume published by GE containing 26 different instruction books, ranging in size from 7 to 80 pages each. They are dated from 1910 to 1914 and cover Arc lamps, generators, voltage regulators, transformer testing, steam turbines, Thomson watt-hour meters and mercury arc rectifiers. 850 pages. Good + condition. Rare. \$125.00

88. GIBBS, J.B.; Transformer Principles and Practice . 1st edition, 1937. A largely non-mathematical study of the theory and application of transformers. A few of the many chapters include coils and cores, phase transformation, ratio adjustment, transformer testing and calculations. 210 pages. 191 illus. Very Good condition. Scarce. \$20.00

89. GOLDING, E.W.; Electrical Measurements and Measuring Instruments . 4th edition, 1955. This must be the "vade mecum" of books on the subject of measuring instruments. Everything you ever wanted to know and more is written within these pages! At the end of each chapter is a list of references and a bibliography. From the Oak Ridge Nuclear Library. 913 pages. 550 illus. Very Good condition. Scarce. \$35.00

90. GREENWOOD, ERNEST; Amber To Amperes . 1st edition, 1931. From Thales to wireless, the author attempts to portray the social and historical background of electricity's fascinating history. Many important events are described, along with the inventors who took part in its growth. The historical background of the telegraph, telephone, wireless and even X-Ray are covered in depth. 332 pages. 15 illus. Very Good condition. Scarce. \$45.00

91. HASKINS, CARYL D.; Transformers . 1st edition, 1892. One of the earliest works on the transformer, it covers such areas as theory, construction and their applications. An interesting chapter on the evolution of the transformer is included, as well as a chapter on the commercial transformers on the market at the time. 150 pages. 38 illus. Good + condition. Rare. \$40.00

92. HOUSTON, EDWIN J.; A Dictionary Of Electrical Words, Terms, And Phrases . 1st edition, 1889. The first published account of its type, this pioneer work is extremely well versed in early electrical science. A large volume, it contains many engravings of early electrical, telephone, & telegraph apparatus. A nice copy of a hard to find book. 655 pages. 396 illus. Very Good condition. Rare. \$55.00

93. HOUSTON, EDWIN J. & KENNELLY, A.E.; Electrical Engineering Leaflets . 1st edition, 1899. A series of lessons written especially for the engineering student, with sections on dynamos, motors, incandescent and arc lighting, electromagnets, and testing apparatus. In a fine publisher's red cloth binding. 296 pages. 121 illus. Very Good condition. Rare. \$35.00

94. HOUSTON, EDWIN J. AND KENNELLY, A.E.; Electric Street Railways . 1st edition, 1896. This rare title includes an early history of the electric railway and Trolley as well as the principles of electricity as applied to the motor, controllers, switchboards, generators and line construction. Includes many fine illustrations, from The Franklin Institute Library. 367 pages. 158 illus. Very Good condition. Rare. \$75.00

## Electricity

95. JANSKY, CYRIL M.; Electrical Meters . 2nd edition, 1917. This could best be described as the most complete work on meters up to that time. All types of measuring instruments are fully described and illustrated here, including watt-hour and RF meters. 416 pages. 65 photos. 250 illus. Very Good condition. Scarce. \$45.00

96. KAPP, GISBERT; Transformers for Single and Multiphase Currents . 1st edition, 1896. A treatise on the theory, design, construction and use of the transformer. The mathematical treatment of the subject has been kept as simple and brief as possible, making this a nice text to learn from. 241 pages. 133 illus. Good + condition. Scarce. \$25.00

97. LANPHIER, R.C.; Electric Meter History and Progress . 1st edition, 1925. Published by the Sangamo Electric Co., this book serves as a fine reference for collectors of early recording wattmeters. Many are shown, along with a description of their operation and application. 78 pages. 65 photos. Fine condition. Scarce. \$45.00

98. LODGE, SIR OLIVER; Atoms and Rays . 1st edition, 1924. An excellent introduction to 1924's modern views on atomic structure and radiation. This volume Investigates the possibility of harnessing the atom using its relations between matter, energy and the ether. In this noted work, the great scientist Oliver Lodge, explains the ABC's of the atom in layman's terms. 208 pages. Very Good condition. Scarce. \$40.00

99. LODGE, SIR OLIVER; Lightning Conductors and Lightning Guards . 1st edition, 1892. The outcome of Sir Oliver Lodge's investigations into the protection of buildings, telegraph instruments and submarine cables from atmospheric discharges. Many of his experiments with a spark coil and gap are shown. A very nice copy of Lodge's rarest work, from the Teleglobe Canada Library. 544 pages. 19 illus. Very Good condition. Very Rare. \$350.00

100. LODGE, SIR OLIVER; Modern Views of Electricity . 2nd edition, 1892. In this special work, Lodge describes conduction and magnetism with relation to electricity. Also covered are early experiments on the ether and electromagnetic and electrostatic relations between electricity and light. Contains many illustrations of early electrical apparatus. 480 pages. 67 illus. Good + condition. Scarce. \$55.00

101. LOEB, LEONARD B.; Static Electrification . 1st edition, 1958. Anything and everything about static electricity for the design engineer is included in this book (Heavy Reading). 240 pages. 63 illus. Very Good condition. Uncommon. Dust Jacket. \$15.00

102. MCEACHRON, DR. K.B.; Playing With Lightning . 1st edition, 1940. A biography of lightning written by the director of General Electric's High Voltage Engineering Laboratory. Contains everything you would ever want to know about lightning from the time that Steinmetz played with it in his laboratory to the present day. Includes a nicely illustrated dust jacket. 231 pages. 16 photos. Very Good condition. Scarce. \$40.00

### Electricity

103. MILLER, DAYTON CLARENCE; Sparks, Lightning, Cosmic Rays . 1st edition, 1939. A fantastic book covering early electricity, Hi-voltage electrostatic generators, wireless, cathode rays, X-rays and cosmic rays. Contains many unusual photos of early spark apparatus, geissler tubes, and various experiments concerning induction coils. Includes a nicely illustrated dust jacket. A must-have! 192 pages. 89 illus. Very Good condition. Rare. \$110.00

104. MORGAN, ALFRED; A First Electrical Book For Boys . 2nd edition, 1951. Throughout this book, the author clearly and concisely outlines the history and development of electricity. He cites the contributions of famous scientists such as Faraday, Hertz, and Marconi. Some simple electrical experiments are shown for boys (and girls) to carry out on their own. Includes hundreds of illustrations. Ex-Library. 263 pages. Good + condition. Uncommon. . \$35.00

105. MOTTELAY, P. FLEURY; William Gilbert; On The Loadstone . 1st edition, 1892. The first English translation of Gilbert's epical work on magnetism as relating to electricity . First printed in 1600, this volume showed the theory of magnetic force, and the mariner's compass. An unabridged and unaltered edition of the rarest and most valuable book in the field of electricity. This is a quality 1941 reprint of this title. 368 pages. 50 illus. Very Good condition. Rare. \$25.00

106. NATIONAL ELECTRIC LIGHT ASSOCIATION; Handbook For Electrical Metermen . 4th edition, 1924. This book was prepared as an aid to the meterman and engineer. Anything you ever wanted to know about any kind of meter and its operation is discussed in this volume, including laboratory standards, meter testing and meter department records. The edges are in gold leaf! 1242 pages. 852 illus. Very Good condition. Scarce. \$20.00

107. PLANTE' GASTON; The Storage Of Electrical Energy . 1st edition, 1887. A classical treatise on early experiments undertaken from 1859-1879 on the storage battery. The author combined multiple condensors (cells) to produce and store high voltage without coils and studied the results. Many woodcuts portray the primitive apparatus and the sparks which were the results of his experiments. A seldom seen title. 268 pages. 89 illus. Very Good condition. Very Rare. \$115.00

108. SCHONLAND, B.F.J.; The Flight of Thunderbolts . 1st edition, 1950. This unusual book is written for readers interested in the general development of science and a keen concern for lightning and lightning protection. It provides a nice "case-history" of the subject in its progress from myth to knowledge. Includes a nicely illustrated dust jacket. 152 pages. 33 illus. Very Good condition. Uncommon. \$25.00

109. STEELE, JAMES W.; Steam, Steel and Electricity . 1st edition, 1895. The history and development of steam and the steam engine, as well as steel and the steel industry, are covered in depth in this book. Three-fourths of this volume is devoted to the history and advancement of electricity, encompassing the telegraph, telephone, electric light, and the dynamo. 246 pages. 22 illus. Good + condition. Scarce. \$20.00

### Electricity

110. STEINMETZ, CHARLES P.; *Transient Electric Phenomena and Oscillations* . 3rd edition, 1920. A very nice copy of Steinmetz's famous treatise on the constants of electric circuits, including high frequency conductors, standing waves, traveling waves and complex circuits. 696 pages. 111 illus. Very Good condition. Scarce. \$20.00

111. THOMPSON, SILVANUS P.; *Elementary Lessons in Electricity and Magnetism* . 5th edition, 1900. An exceptionally early textbook on the subject. Covered are these various areas: electrostatics, electromagnets, electrical measurement, the electric light, electric telegraphs and telephones. This 5th edition includes the determination of the true value of the Ohm, and is in nice condition. 456 pages. 170 illus. Good + condition. Scarce. \$30.00

112. THOMPSON, SILVANUS P.; *Lectures On The Electromagnet* . 1st edition, 1892. This book comprises a collection of four lectures on the electromagnet delivered in February, 1890 before the Society Of Arts in London. An interesting early volume dedicated to the history and theory of the electromagnet. One of the important books which prepared many scientists and inventors for their investigations in electricity. 287 pages. 75 illus. Very Good condition. Scarce. \$55.00

113. THOMSON, J.J.; *Notes on Recent Researches in Electricity and Magnetism* . 1st edition, 1893. This work was intended as a sequel to Professor James Clerk-Maxwell's Treatise on Electricity and Magnetism. Contains chapters on Faraday's tubes of force, passage of electricity through gases, electromagnetic waves and oscillations. Hertz's experiments are also discussed, exploring Maxwell's influence on electromagnetic wave theory. 578 pages. 144 illus. Good + condition. Very Rare. \$190.00

114. THOMSON, J.J.; *Conduction of Electricity Through Gases* . 2nd edition, 1906. This is a landmark book, being the second edition of Thomson's experiments with x-rays, cathode rays, and Becquerel rays. This book explains the conduction of electricity when exposed to different gases. From The Franklin Institute Library. 678 pages. 205 illus. Very Good condition. Rare. \$135.00

115. YATES, RAYMOND F.; *How To Make Electric Toys* . 1st edition, 1937. In this book you will find many unusual electrical experiments, all geared towards the young experimenter. Plans include a radio, telegraph outfit, transmitting pictures by wire and even an electrical bug exterminator. A nicely illustrated dust jacket is included. 199 pages. 26 photos. 75 illus. Very Good condition. Scarce. \$30.00

### HISTORY OF RADIO

116.AITKEN, HUGH G.J.; *Syntony and Spark: The Origins of Radio* . 2nd edition, 1985. This is the story of the origins of radio and its progressions from the theories of Maxwell through the experiments of Hertz and Lodge to the practical techniques of Marconi. An in-depth treatment, extensive references are cited throughout the book. 347 pages. 36 illus. Very Good condition. Softcover. \$25.00

### History of Radio

117. ARCHER, GLEASON L.; *History of Radio to 1926* . 1st edition, 1938.  
Probably the most sought-after work on the history of radio. This fine copy encompasses the history of the electric telegraph, its development to wireless telegraphy, wireless telephony, and finally to broadcasting. Includes many footnotes and references throughout the text. 421 pages. 20 photos. Very Good condition. Rare. \$85.00

118. BAARSLAG, KARL; *SOS To The Rescue* . 1st edition, 1936. The story of shipwrecks and the wireless operators who were instrumental in saving thousands of lives through their unfailing devotion. The collision between the Republic and the Florida, sinking of the Titanic, and rapid foundering of the Empress of Ireland are only a few of the exciting disasters described herein. 310 pages. 16 photos. Very Good condition. Rare. \$45.00

119. BARTY-KING, HUGH; *Girdle Round the Earth* . 1st edition, 1979.  
This is the story of Cable and Wireless Ltd. and it's predecessors to mark the group's jubilee from 1929 to 1979. It describes in colorful detail the chequered evolution of this far reaching network and how in a 50 year period communication between the farthest corners of the globe became an everyday experience. 413 pages. 145 photos. Fine condition. Uncommon. Dust Jacket. \$20.00

120. BAXTER, JAMES PHINNEY 3RD; *Scientists Against Time* . 1st edition, 1946. The revealing history of American scientists at war and the story of the death-dealing and lifesaving devices which contributed to victory in World War II. It reveals the official inside story of the OSRD and the work done on radar, weapons, medicine & the atomic bomb, written by the official historian of the OSRD. The dust jacket is great! 473 pages. 73 photos. Fine condition. Scarce. \$40.00

121. CONSTABLE, ANTHONY; *Early Wireless* . 1st edition, 1980. This is one book radio collectors should not be without. It traces the early history of wireless telegraphy through the 1920's and the early 30's. Profusely illustrated with many photos of rare & unusual crystal sets, horns, novelties and tube radios. An appendix provides a listing of the major manufacturers and their sets. 160 pages. 167 photos. Fine condition. Scarce. \$45.00

122. DONALDSON, FRANCES; *The Marconi Scandal* . 1st edition, 1962. This work contains some rarely released information on the Marconi scandal of 1913 which is of equal proportion to the Teapot Dome Scandal. Winston Churchill almost lost his political future as a result. Includes a nicely illustrated dust jacket. 304 pages. 25 photos. Very Good condition. Uncommon. \$35.00

123. DUNLAP, ORRIN E.; *The Story of Radio* . 2nd edition, 1935. A straight-forward account of wireless telegraphy including an excellent 31-page description of early television. A very good reference book on early broadcasting. This book has a worn and chipped dust jacket. 326 pages. 15 photos. Good + condition. Uncommon. \$25.00

History of Radio

124. DUNLAP, ORRIN E. JR.; **Radio's 100 Men Of Science** . 1st edition, 1944. A superb volume containing a wealth of information and reference for both the general reader and the historian. Each biography is written as a personal story as well as a record of the unique contribution of each scientist. The best reference source of its kind. 294 pages. 98 photos. Very Good condition. Scarce. \$55.00

125. EMERY, WALTER B.; **National and International Systems Of Broadcasting** . 1st edition, 1969. The subtitle is: Their History, Operation And Control. The only publication of its time to outline the development and operation of each major broadcasting system in all parts of the world A wonderful reference for the historian, from The Broadcast Pioneers Library. 752 pages. Very Good condition. Uncommon. \$25.00

126. FAHIE, J.J.; **A History of Wireless Telegraphy 1838-1899** . 1st edition, 1900. The pioneer work in the history of wireless telegraphy, a first edition, second printing is rarely found. It includes a complete reprint of Marconi's patent from 1896, encompassing 25 pages. The researches of D.E. Hughes from 1879-1886 are also described, as well as many other 19th century pioneers. 325 pages. 85 illus. Good + condition. Very Rare. \$195.00

127. FINK, JOHN AND OTHERS; **WGN - A Pictorial History** . 1st edition, 1961. A pictorial history of WGN following its beginnings in 1924 as broadcasting station for the Chicago Tribune. The last 1/3 of the book is devoted to their early television station as growth continued in the 1950's. 111 pages. 235 photos. Fine condition. Scarce. \$25.00

128. GRAY, JACK; **Bits of Wireless History** . 1st edition, 1969. An excellent description of the history of wireless, written by Jack Gray, a well-known radio historian and museum curator. This volume is illustrated with photos of rare wireless apparatus from his collection. 60 pages. 72 photos. Fine condition. Scarce. Softcover. \$25.00

129. GREENWOOD, HAROLD S.; **A Pictorial Album of Wireless and Radio 1905 - 1928** . 1st edition, 1962. This is a nice copy of the first edition of what is now known as "Vintage Radio". This pictorial reference guide belongs on every radio collector's shelf, as it is profusely illustrated with 100's of photos of vintage wireless gear, transmitters, headphones, horns, parts, and vacuum tubes. This copy is signed by the author. 223 pages. 999 photos. Very Good condition. Scarce. Softcover. \$45.00

130. HANCOCK, H.E.; **Wireless at Sea: The First Fifty Years** . 1st edition, 1950. This important work covers the birth of wireless and the development of the Marconi Marine Communication Co. Published in commemoration of the 50th anniversary of the Marconi Marine Co., it contains many nice photos of wireless installations. A must for the historian. 233 pages. 80 photos. Very Good condition. Rare. \$65.00

History of Radio

131. HILL, JONATHAN; *The Cat's Whisker* . 1st edition, 1978. In this popular illustrated book, the author traces the history of the wireless set from the efforts of the early amateur enthusiasts through its heyday in WWII to its eclipse with the advent of television. Contains many photos of early sets and early tube apparatus. In perfect condition. 96 pages. 122 photos. Fine condition. Common. Softcover. \$20.00

132. JENSEN, PETER R.; *In Marconi's Footsteps: Early Radio* . 1st edition, 1995. The author followed Marconi's travels to the sites where he performed early experiments, documenting early history through many photos of apparatus and the locations themselves. There has never been a book like this written before, it even provides descriptions on how the author reproduced a multiple tuner, 10" coil & magnetic detector! WOW! 176 pages. 211 photos. 65 illus. Fine condition. Common. Dust Jacket. \$45.00

133. JOME, HIRAM M.; *Economics Of The Radio Industry* . 1st edition, 1925. A seldom seen copy of radio industry's history, with chapters on the Marconi and RCA Companies. Published in 1925, the infancy of broadcasting, it highlights the early broadcast era, discussing problems with service both in marketing and broadcasting. An unusual approach to the history of radio. This is only the 2nd copy we've had! 332 pages. Very Good condition. Rare. \$85.00

134. MCMAHON, MORGAN; *Vintage Radio* . 2nd edition, 1973. Morgan McMahon's expansion of Greenwood's original edition containing the best pictorial display of radio receivers, transmitters, tubes, horns and parts from the 1887 - 1929 era. The main reference book for the collector-historian, this book is now out-of-print. The hard cover edition, it is complete with a worn dust jacket. 263 pages. Very Good condition. Common. \$35.00

135. MCNICOL, DONALD; *Radio's Conquest Of Space* . 1st edition, 1946. This book contains a personalized history of wireless telegraphy up to and including radar, by a man who began his wireless career in 1900. The best history of radio written in the 1940's. Includes a nice dust jacket. 374 pages. 53 illus. Fine condition. Scarce. \$35.00

136. MITCHELL, CURTIS; *Cavalcade Of Broadcasting* . 1st edition, 1970. A pictorial history of radio and television, their growth and expansion. Included are scientists, stars, and pioneers of communication. Contains over 150 early radio and TV related photos, and is covered with a nicely illustrated dust jacket. 256 pages. Fine condition. Uncommon. \$20.00

137. NHK (NIPPON HOSO KYOKAI HISTORY COMPILATION ROOM); *The History Of Broadcasting in Japan* . 1st edition, 1967. A highly detailed history of both radio and television broadcasting in Japan. This quality book was written and published by NHK, the giant electronics firm. Entirely written in English, this is the first time we've seen a copy. Contains many clear photos, graphs and diagrams. 436 pages. Very Good condition. Rare. \$65.00

History of Radio

138. REID, T.R.; **The Chip: How Two Americans Invented the Microchip & Launched A Revolution.** . 1st edition, 1984. An enthralling chronicle of how Jack Kilby and Robert Noyce hit upon a new idea which changed our daily life, and spawned a multibillion- dollar global industry, launching the "Second Industrial Revolution". This book explains the evolution of micro-electronics, from the Edison effect bulb to the transistor. Ex-Library. 243 pages. 16 photos. Very Good condition. Scarce. Dust Jacket. \$45.00

139. RYDER, JOHN D. AND FINK, DONALD G.; **Engineers & Electrons** . 1st edition, 1984. The story of the technical development of electricity, containing hundreds of rarely seen photos from the archives of the IEEE library. A detailed bibliography is present at the end of each chapter. Published by the IEEE Press, this is a highly recommended history of the electrical field. 251 pages. Fine condition. Uncommon. Dust Jacket. \$35.00

140. SARNOFF, DAVID AND OTHERS; **The Radio Industry** . 1st edition, 1928. The story of radio development as told by leaders of the industry, including David Sarnoff, Elmer Bucher, General J.G. Harbord & Frank B. Jewett. One of the most complete histories of the early days of wireless, it also portrays methods of manufacture and merchandising designed for the American public. 330 pages. Very Good condition. Rare. \$85.00

141. SHURICK, E.P.J.; **The First Quarter-Century Of Broadcasting** . 1st edition, 1946. A precise and all-inclusive study of radio, using for research, the past "Chronologies" of the Broadcasting Yearbooks. A complete history including advertising, music, the news, sports, disasters, politics, farming, education, the church, and wartime applications & their role in furthering broadcasting. Limited ed. #281 374 pages. Very Good condition. Scarce. \$45.00

142. THE MARCONIPHONE COMPANY, LIMITED; **The Marconi Book of Wireless** . 1st edition, 1936. This fascinating history of the Marconi Co. and biography of G.Marconi was written by the company while Marconi was still alive. Containing an in-depth history of the early years and many rare photos, it has a gold embossed profile of Marconi on the front cover. 223 pages. 56 photos. 14 illus. Good + condition. Scarce. \$55.00

143. VARIOUS; **The AWA Review - Volume 9 1995** . 1st edition, 1995. This is the latest volume to be published by the Antique Wireless Association, & includes an excellent 90 pg. article by yours truly, on Marconi, his factories and his apparatus. It also includes a couple of excellent articles on radar by Ed Lyon, a biography of Lowenstein by Brother Pat Dowd & Early Amateur Licensing by Neil Friedman. 251 pages. 173 photos. New condition. Common. Softcover. \$20.00

144. WHITE, LLEWELLYN; **The American Radio** . 1st edition, 1947. A report on the broadcasting industry in the United States from the Commission on Freedom of the Press. Radio is studied as a form of mass communication documenting its effects on the general public. A short history of RCA is included. From The Broadcast Pioneers Library. 260 pages. Very Good condition. Uncommon. Dust Jacket. \$25.00

## LIGHT BULBS

145. (PUBLISHER) STAR TOWER CO.; American Electrical Directory 1887 - 1888 . 3rd edition, 1887. This thick volume contains more information and data on the early electrical supply and lighting companies than had ever been assembled before in one place. All the various lighting companies are described in detail, both Arc & Incandescent. Includes many illustrated ads for early apparatus. Originally in the Westinghouse collection, IEEE Libry 746 pages. Good condition. Very Rare. \$95.00

146. EDISON SWAN CO.; The Pageant Of The Lamp . 1st edition, 1948. The most in-depth story of the Edison Swan Co. written up to that date. The early history and development is portrayed in a colorful manner, documented by many photos and drawings. A must for the serious light bulb collector and historian, as it shows many early light bulbs. The front blank endpapers are slightly stained. 72 pages. Very Good condition. Rare. \$75.00

147. JEHL, FRANCIS; The Manufacture Of Carbons For Electric Lighting and Other Purposes . 1st edition, 1899. This work, written by Thomas Edison's assistant, gives a concise account of the process of making high grade and other carbons for electric lighting and varying electrical purposes. An interesting chapter provides historical notes about carbon & its uses. The cover is somewhat faded. 232 pages. 83 illus. Good + condition. Very Rare. \$115.00

148. KNOX, CHARLES E. AND SHAAD, GEORGE C.; Electric Wiring and Lighting . 1st edition, 1909. A working handbook of lighting by electricity, and of installing conductors for the transmission and utilization of electricity for power, lighting, heating and other uses. Well illustrated with early apparatus. 89 pages. 79 illus. Very Good condition. Scarce. \$15.00

149. SALOMONS, SIR DAVID; Electric Light Installations . 5th edition, 1890. An excellent early volume on the subject, presenting a general survey of electric lighting, including early Swan lamps and many meters and fixtures. Fine folding plates and engravings highlight the text. The covers are soiled with a 1/4" spot worn through on the spine. from The IEEE Library. 334 pages. 99 illus. Good + condition. Scarce. \$85.00

150. UPTON, FRANCIS R.; Edison's Electric Light . 1st edition, 1880. The first authoritative account of Edison's invention as a 14 pg. article in a 952 pg bound volume of Scribner's from 1879-1880. Written by his mathematician, 15 illustrations depict the apparatus used in the production of light, including 2 of his original bulb. A short history is included. 14 pages. 15 illus. Very Good condition. Rare. \$95.00

151. URQUHART, JOHN W.; Electric Light . 1st edition, 1880. This volume includes simple directions for the treatment of dynamo electric machines, batteries, accumulators, and electric lamps. Early experiments of electromagneto machines, dynamos, arc lamps, and incandescent lamps are described and well-illustrated. One of the first books to include the incandescent lamp. 290 pages. 94 illus. Good + condition. Rare. \$140.00

## MEDICAL ELECTRICITY

152. BARTHOLOW, ROBERTS; *Medical Electricity* . 3rd edition, 1887. The exposition of electricity for medical purposes written by a practitioner for use by other practitioners and students. Contains many illustrations of rarely seen electrical apparatus. A great book! 304 pages. 110 illus. Very Good condition. Rare. \$95.00

153. CLEAVES, MARGARET A.; *Light Energy* . 1st edition, 1904. A practical consideration of physics, physiological action and therapeutic effect of light energy, both natural and artificial as applied to medicine and a compendium of literature on the subject. Electric arc and incandescent light baths, vacuum tube discharges, high frequency coil and static machines are all covered in depth. 827 pages. 53 illus. Good + condition. Rare. \$85.00

154. DUGAN, WILLIAM JAMES; *Handbook Of Electro-Therapeutics* . 1st edition, 1910. A fascinating book on early medical electricity, depicting many pieces of early apparatus in operation. From static electricity to the X-Ray. Surprisingly, the author admitted that many quack physicians, or Charlatans play up the uses of electro-therapy in the healing of cancer, etc. 242 pages. 91 illus. Very Good condition. Scarce. \$115.00

155. ERB, DR. WILHELM; *Handbook Of Electro-Therapeutics* . 1st edition, 1883. A knowledgeable account of the role electricity plays in the treatment of various human diseases. Almost half the book is dedicated to special electro-therapeutics, singling out some rare maladies, and their causes and treatments by electricity. 366 pages. 39 illus. Very Good condition. Rare. \$95.00

156. JELLINEK, STEFAN; *Spurenkunde der Elektrizitat* . 1st edition, 1927. An interesting book, written in German, which appears to investigate electrical burns either from lightning or a high voltage source. Contains many photos of damaged electrical apparatus and humans with various gross burns. From the Franklin Institute Library. 101 pages. 156 photos. Fine condition. Scarce. \$25.00

157. LEWIS, THOMAS; *Clinical Electrocardiography* . 6th edition, 1937. The author began his studies in 1910 using a "string galvanometer" as an electrical indicator of the heart's condition. An early book on the subject, what would the author think now of CAT Scans and MRI! From The Franklin Institute Library. 128 pages. 109 illus. Very Good condition. Scarce. \$30.00

158. NEISWANGER, CHARLES S.; *Electro-Therapeutical Practice* . 22th edition, 1922. This manual gives an overview of electro-medical therapy with many photos and illustrations demonstrating various apparatus and techniques using the X-Ray. Sections also include galvanic treatments and light therapy. 394 pages. Very Good condition. Scarce. \$55.00

Medical Electricity

159. ROCKWELL, A.D.; **The Medical and Surgical Uses Of Electricity** .  
2nd edition, 1875. Probably the most extensive treatment of the subject  
for its day, this large volume encompasses all aspects of medical  
electricity. Numerous fine illustrations of early apparatus complement the  
text. An early edition, though the cover is badly spotted and stained as  
are many of the pages. The front hinge has been repaired. This baby is 2"  
thick! 794 pages. 198 illus. condition. Very Rare. \$85.00

160. RUSSELL, ELEANOR H. & RUSSELL, W. KERR; **Ultra-Violet Radiation** .  
1st edition, 1925. Recommended by Sir Oliver Lodge in the forward, this  
book extolls the medical wonders of ultraviolet radiation. Opening with a  
chronological history, many fascinating photos are included to illustrate  
treatments and the equipment involved. An extensive 2 page bibliography is  
added at the back of the book. 262 pages. 77 illus. condition. Scarce.  
\$45.00

161. WHITE, WILLIAM; **Medical Electricity** . 1st edition, 1869. A manual  
for students demonstrating the scientific and rational applications for  
all forms of acute and chronic disease. Different combinations of  
electricity, galvanism, electro-magnetism, and magneto-electricity are  
described. A very early title on the subject. 191 pages. Good + condition.  
Rare. \$75.00

MOTORS/DYNAMOS

162. COX, FRANK P.; **Dynamos and Motors** . 1st edition, 1893. An early  
treatise on direct current motors and dynamos, covering such areas as  
calculation, design and construction. Efficiency and losses are also  
explored in depth. First copy we've had for sale, from The IEEE Library.  
The spine is worn at the top. 271 pages. 83 illus. Good + condition. Rare.  
\$35.00

163. CROCKER, FRANCIS B. AND WHEELER, SCHUYLER S.; **Practical Management of  
Dynamos and Motors** . 3rd edition, 1894. An excellent volume  
describing the principles and installation of dynamos and motors,  
including a section on the localization and remedy of troubles. Much early  
equipment is shown. 206 pages. 99 illus. Good + condition. Scarce. \$35.00

164. FERRANTI, GERTRUDE ZIANI DE AND INCE, RICHARD; **The Life and Letters of  
Sebastian Ziani de Ferranti** . 1st edition, 1934. A portrait of a  
great scientist and inventor told from his point of view by his wife. A  
contemporary of Edison, his achievements include development of various  
dynamos, meters, arc lamps and electric cable for lighting systems. This  
is a beautiful copy with a dust jacket. 240 pages. 46 illus. Very Good  
condition. Scarce. \$35.00

165. HAWKINS, C. C. AND WALLIS, F.; **The Dynamo** . 3rd edition, 1903.  
This book discusses the theory, design, and manufacture of all kinds of  
dynamos. Contains many illustrations, including numerous folding platesto  
complement the subject. The spine has been replaced with black cloth, from  
the IEEE Library. 925 pages. 413 illus. Good condition. Scarce. \$35.00

**Motors/DYNAMOS**

166. HORSTMANN, HENRY C. AND TOUSLEY, VICTOR H.; **Dynamo Tending For Engineers**. 1st edition, 1904. This book not only covers dynamos, but also includes arc lamps, and many different types of meters such as the T-H wattmeter etc.. The cover is nicely embossed with an illustration of an early dynamo. 207 pages. 110 illus. Very Good condition. Scarce. \$25.00

167. HOUSTON, EDWIN J. AND KENNELLY, A.E.; **Electro-Dynamic Machinery**. 1st edition, 1896. A practical treatment of the subject using simple mathematics to demonstrate the basic principles. Many illustrations depict early dynamos and generators; Houston & Kennelly make an excellent team! 331 pages. 232 illus. Very Good condition. Rare. \$65.00

168. KING, W. JAMES; **The Development Of Electrical Technology In The 19th Century**. 1st edition, 1962. Bulletin 228 from the Smithsonian Museum Of History and technology, it concentrates on the early Arc light and dynamos. The history of the arc light, as well as the dynamo is discussed in detail, including many illustrations of early electrical apparatus. 74 pages. 92 illus. Very Good condition. Uncommon. Softcover. \$20.00

169. MARTIN, THOMAS COMMERFORD & WETZLER, JOSEPH; **The Electric Motor**. 1st edition, 1887. Without a doubt, the earliest history and description of the various electric motors being developed around the world. A large book, 7"x12" there are many engravings of the most primitive electrical motors I've ever seen. The spine has been reinforced with the original label laid on. From The IEEE Library, this copy has been signed by both authors! 208 pages. 199 illus. Good + condition. Very Rare. \$195.00

170. KAHN, DAVID; **The Codebreakers**. 1st edition, 1967. The first and most comprehensive history of secret communication from ancient times to the threshold of outer space. Described are the events which molded modern cryptology, methods used to break cyphers, and especially many fascinating stories about the code breakers in action. Includes an extensive reference & bibliography section. 1164 pages. 35 photos. 160 illus. Fine condition. Scarce. Dust Jacket. \$55.00

**MISCELLANEOUS**

171. HELDMAN, JULIUS D.; **Techniques Of Glass Manipulation In Scientific Research**. 1st edition, 1947. All facets of working with glass are covered in this volume, including the properties of glass; basic operations; flames and torches; glass blowing; Dewar, end & T seals; glass to metal seals and finished equipment exercises. 132 pages. 56 illus. Very Good condition. Scarce. \$25.00

Miscellaneous

172. NICHOLAS, M.G. (EDITOR); *The Joining of Ceramics* . 1st edition, 1990. The topics covered by this book describe joining techniques, joint characteristics, fundamental scientific aspects of interface creation and specific descriptions of successful applications. This includes glass-metal seals, joining glass-ceramics to metals, diffusion bonding and metalizing ceramic surfaces. 215 pages. 142 illus. Fine condition. Uncommon. Dust Jacket. \$20.00

173. WURLITZER, LEONIE; *Wurlitzer Centennial Cook Book* . 1st edition, 1956. This cookbook serves as a commemoration of The Wurlitzer Co's century of musical achievement, 1856 - 1956. The cover is nicely embossed and is in perfect condition. This cook book is the result of Leonie and Marguerite Wurlitzer gathering up their choicest recipes in 1925 and publishing them for their family and friends. Includes original box. 172 pages. Fine condition. Scarce. \$30.00

PHONOGRAPH

174. DU MONCEL, COUNT; *The Telephone, The Microphone, and The Phonograph* . 2nd edition, 1882. This famous treatise which covers the telephone, microphone and phonograph very thoroughly, is the first English edition. Included are all the different systems of telephones and phonographs developed up to that time. A nice tight copy, but the spine is somewhat faded. 361 pages. 74 illus. Good + condition. Rare. \$135.00

175. RCA VICTOR; *Victor Talking Machine Co. Service Bulletins* . 1st edition, 1927. These service bulletins are contained in an attractive leatherette binder embossed with "Manual for RCA Victor Dealers". A total of 31 service bulletins and supplements are present, numbering from 1 through 25. A variety of service information covers reproducers, amplifiers, Victrolas, Radiolas, Electrolas etc. Nice! 150 pages. Very Good condition. Rare. \$125.00

POST 1930 RADIO

176. BAUMAN, EDWARD; *Applications of Neon Lamps and Gas Discharge Tubes* . 1st edition, 1966. This book discusses a wide variety of application data for neon glow lamps which perform specific functions in electronic circuitry. Includes circuit designs using neon glow lamps as timers, switches, oscillators and voltage regulators. 160 pages. 148 illus. Very Good condition. Uncommon. Dust Jacket. \$15.00

177. EVERITT, WILLIAM LITTELL; *Communication Engineering* . 1st edition, 1932. A well balanced course in theory and applications of the various circuits making up radio transmitters and receivers. At the end of each chapter there is a concise bibliography. 567 pages. 335 illus. Very Good condition. Uncommon. \$15.00

178. GHIRARDI, ALFRED A.; *Modern Radio Servicing* . 1st edition, 1935. This is THE service manual for the radio receivers of the 1930's and 40's. Simply the best book written on troubleshooting and repairing early AC sets. The rear cover is waterstained. 1318 pages. 706 illus. Very Good condition. Common. \$20.00

Post 1930 Radio

179. GHIRARDI, ALFRED A.; **Radio Troubleshooters' Handbook** . 2nd edition, 1942. Intended as a companion book to "Modern Radio Servicing". This is a practical working handbook designed to supply a wealth of factual servicing data for shop use by radio repairmen. Includes many charts and lists such as the Signal Corps Army VT # with cross references to normal tube types. An excellent book! 710 pages. Very Good condition. Uncommon. \$25.00

180. MARKUS, JOHN; **Television and Radio Repairing** . 2nd edition, 1961. This volume was written by the feature editor of "Electronics" magazine, considered an expert in his field. Covers all areas of radio troubleshooting with a minimum of theory and mathematics, containing simple step-by-step instructions for testing, repairing and replacing of parts. 568 pages. 287 illus. Very Good condition. Uncommon. \$20.00

181. MILLS, JOHN; **Electronics; Today and Tomorrow** . 1st edition, 1944. The fundamental theory of electronics written with a touch of humor by a sometime(!) member of the tech staff of Bell Telephone Laboratory. A thorough treatment of the vacuum tube, from DeForest to WWII, leads into television, electron optics & high frequency operation. 178 pages. Good + condition. Uncommon. \$10.00

182. MORGAN, ALFRED; **The Boys' First Book Of Radio And Electronics** . 2nd edition, 1966. This book was written with the young adult in mind, giving a straightforward account of radio's history. The many illustrations help to make it a simple process to build your own radio receiver, & a thorough explanation is given of the principles by which it operates. This is the thirteenth printing of a well-known book. 230 pages. Very Good condition. Scarce. \$30.00

183. MORGAN, H.K.; **Aircraft Radio And Electrical Equipment** . 2nd edition, 1941. The most complete text on aircraft radio I've seen. The fundamentals of both transmitters and receivers are covered in depth, including direction finders and UHF equipment. Many individual commercial aircraft receivers are described, as well as schematics, parts lists and specs; RCA, Western Electric, and Bendix to name a few. 374 pages. 213 illus. Good + condition. Scarce. \$40.00

184. PLATT, SIDNEY; **Magnetic Amplifiers: Theory and Application** . 1st edition, 1958. A practical, descriptive treatment covering the history, fundamentals and commercial & industrial uses of magnetic amplifiers. A description of the theory, operation, and application of saturable reactors and magnetic amplifiers in both non-feedback and feedback cases are included. 238 pages. 195 illus. Very Good condition. Uncommon. Dust Jacket. \$15.00

185. ROBERTS, HENRY W.; **Aviation Radio** . 1st edition, 1945. The all-in-one textbook on the applications of radio to aviation. Shown are the construction, testing, installation and servicing of all types of receivers, transmitters, radio direction finders and other radio navigation apparatus. Instrument landing and radio beacons are covered in detail. The covers are moderately worn. 637 pages. 464 illus. Good condition. Scarce. \$35.00

Post 1930 Radio

186. SANDRETTA, P.C.; *Principles of Aeronautical Radio Engineering* .  
1st edition, 1942. An early book on the subject, published around the  
advent of WWII. Fundamental principles are discussed, giving specific  
emphasis to aeronautical applications such as systems design, direction  
finding, instrument landing and radio beacons are explored in depth. 414  
pages. 228 illus. Very Good condition. Uncommon. \$20.00

187. SARBACHER, ROBERT I. & EDSON, WILLIAM; *Hyper And Ultra-High Frequency  
Engineering* . 1st edition, 1943. This book is intended for  
senior students of electrical engineering. Beginning with a review of  
electricity & magnetism, Maxwell's equations are expounded, leading then  
into wave propagation, oscillation & amplification. Includes an extensive  
bibliography. 644 pages. Very Good condition. Uncommon. \$15.00

188. STRICHARTZ, M. H.; *Marine Radio Manual* . 1st edition, 1944.  
Written during WWII, this book covers every area of shipboard wireless  
communication including auto-alarms and radio direction finders. Many  
different commercial transmitters and receivers are well described. 518  
pages. 33 illus. Very Good condition. Uncommon. Dust Jacket. \$20.00

189. TERMAN, FREDERICK; *Measurements In Radio Engineering* . 1st  
edition, 1935. This comprehensive engineering text discusses the measuring  
problems encountered in the radio field. All circuits and techniques are  
discussed in depth, with many experiments explained in detail. 400 pages.  
210 illus. Fine condition. Uncommon. \$20.00

190. TERMAN, FREDERICK E.; *Radio Engineers Handbook* . 1st edition,  
1943. The reference book for the radio engineer circa 1940's. All aspects  
of radio are covered, especially transmitters and receivers. Audio  
amplifiers are researched as well as antennas, propagation and circuit  
theory. 1019 pages. 945 illus. Very Good condition. Common. \$15.00

191. THE BUREAU OF THE INTERNATIONAL TELECOMMUNICATIONS UNION; *List Of  
Stations Performing Special Services* . 3rd edition, 1938. This  
seldom seen list provides an index of stations, along with the particulars  
of each station. The special services covered include Radio Direction  
Finding, Radiobeacon, Time Signal, Navigation and Meteorological Bulletins  
and even those to relay medical advice! 328 pages. Very Good condition.  
Uncommon. \$10.00

192. WILLIAMS, R.E. AND SCARLOTT, CHARLES A.; *Training For Victory: Radio I  
& II* . 1st edition, 1943. A well written volume for use in  
training for radio operation during WWII. A step by step course  
interspersed with photos of soldiers working in the field. From CW to the  
cathode ray tube, this book covers it all. 276 pages. 163 illus. Very Good  
condition. Scarce. \$20.00

PHYSICS

Physics

193. ALLEN, H. STANLEY; Photo-Electricity . 1st edition, 1913. This is the first book soley dedicated to the photo-electric phenomena. The only text previously written was J.J. Thomson's book, The Conduction Of Electricity Through Gases, which gave a brief account of the subject. An excellent chapter on the early experimenters, including Hertz is presented. 221 pages. 35 illus. Good + condition. Rare. \$55.00

194. CURIE, D.; Luminescence In Crystals . 1st edition, 1963. The content of this book is mainly theoretical, though attention is given to the more important applications of luminescent processes. Some examples explored are phosphors for fluorescent lamps, X-Ray screens and television tubes. Includes a nice bibliography on the subject. 332 pages. 117 illus. Very Good condition. Uncommon. Dust Jacket. \$20.00

195. DOLBEAR, A.E.; Modes Of Motion . 1st edition, 1897. The subtitle is Mechanical Conceptions Of Physical Phenomena. Topics discussed include the ether, induction, electro-magnetic waves and magnetism. The cover is embossed in gold with an illustration of a coal pile connected to a steam engine, dynamo, and arc lamp. Some wear to the covers. From The Franklin Institute Library. 119 pages. 16 illus. Good + condition. Rare. \$65.00

196. FARADAY, MICHAEL; Chemical Manipulation . 1st edition, 1831. Originally published in London in 1827, this is the first American edition of Faraday's first book. It provided a detailed guide to laboratory procedure and greatly influenced many other experimenters. A classic work in science which is rarely seen. The leather covers are very worn, and the pages are badly foxed and yellowed, but not brittle 689 pages. Poor condition. Very Rare. \$95.00

197. HERTZ, HEINRICH; The Principles of Mechanics . 1st edition, 1899. Introduction by Herman von Helmholtz. Hertz's last work, this book encompasses an investigation of the laws of mechanics, expanding on the thoughts of Newton's Laws of Motion, etc. This is an exceedingly rare book. First English language edition. Slight wear on the spine. 276 pages. Very Good condition. Very Rare. \$195.00

198. HUGHES, ARTHUR L.; Photo-Electricity . 1st edition, 1914. This book describes all forms of ionization by light. Basically derived from a study of the photo-electric effect in solids and liquids, it is very early text written on the subject. 144 pages. 40 illus. Very Good condition. Rare. \$25.00

199. KORFF, SERGE A. AND KALLMANN, H.; Electron and Nuclear Counters . 2nd edition, 1955. This is one of the first books devoted to the "Geiger Counter". It discusses theory and use as well as construction and some experiments. A chapter on Scintillation counters is included. 363 pages. 146 illus. Very Good condition. Scarce. \$25.00

200. LODGE, SIR OLIVER; Ether and Reality . 8th edition, 1930. Another of Sir Oliver Lodge's works which expounds many functions of the ether and its link to the physical universe. Also explained is electricity, magnetism, electro-magnetism, and wireless telegraphy. 179 pages. Very Good condition. Scarce. \$30.00

Physics

201. MARTIN, L.H. AND HILL, R.D.; *A Manual Of Vacuum Practice* . 1st edition, 1947. All aspects of vacuum techniques are presented in this volume, which is geared toward the research student. The principles and measurement of pressure is discussed, as well as vacuum pumps and the associated plumbing & wire seals through glass etc.. 120 pages. 56 illus. Very Good condition. Scarce. \$40.00

202. MILLIKAN, ROBERT A.; *The Electron* . 1st edition, 1918. A discussion of the electron, its isolation and measurement & the determination of some of its properties. A beautiful copy of a hard to find book written by a pioneer in the field. This is the 3rd printing. 268 pages. 33 illus. Fine condition. Scarce. \$55.00

203. THOMSON, SIR J.J.; *Rays Of Positive Electricity* . 1st edition, 1913. A presentation of the recent experiments on the nature of positive rays & their deflection by electric and magnetic forces. An important work including many photos of cathode ray effects. Ex-library, the top of the spine is chipped. 132 pages. 50 illus. Good + condition. Rare. \$95.00

RADAR

204. BOWEN, E.G.; *A Textbook Of Radar* . 2nd edition, 1954. A compilation of information on the basic principles of radar and their application. It is the collective work of the Radio Physics Lab of the Council For Scientific and Industrial Research. During WWII, this group acted upon the free exchange of science relative to radar, and was responsible for many developments. Many photos of apparatus. 617 pages. 41 photos. 350 illus. Very Good condition. Scarce. \$45.00

205. DUNLAP, ORRIN E.; *Radar... What Radar is And How It Works* . 2nd edition, 1948. The author traces the history of radar from Hertz's wave experiments to push-button warfare. He then looks ahead to its promising future and peacetime applications. Contains a comprehensive 11 page bibliography on books, articles and patents dating from 1893. From the Broadcast Pioneers Library. 268 pages. Good + condition. Uncommon. \$25.00

206. STOUT, WESLEY W.; *The Great Detective* . 1st edition, 1946. This is the story of Chrysler's pioneering work in the development of the SCR-584 radar unit, and the method of production during wartime. Profusely illustrated, many color photos are included. 99 pages. 40 photos. 17 illus. Very Good condition. Uncommon. \$20.00

207. WATSON-WATT, SIR ROBERT; *The Pulse Of Radar* . 1st edition, 1959. This is the autobiography of Sir Watson-Watt, one of the inventors of radar. Here he recounts how he experimented through a veil of secrecy during WWII, and succeeded in producing the first radar stations. A very nice copy with slightly worn dust jacket. 438 pages. Very Good condition. Scarce. \$55.00

SOUND/AUDIO

208. ACEVES, J.G. AND CROM, GEORGE C.; *Audio Amplifiers* . 1st edition, 1930. This book covers the theory, design and construction of audio amplifier circuits. A 51 page chapter is dedicated to power amplifiers and loud speakers. One of the earliest books dedicated to the study of audio amplifiers, some of the pages are damp-stained, not affecting the integrity of the book. 170 pages. 93 illus. Good condition. Scarce. \$20.00

209. ALDRED, JOHN; *Manual Of Sound Recording* . 1st edition, 1963. From the basic principles of sound, this book clearly explains the details of microphones, amplifiers and loud speakers. It then discusses the recording studio, the handling of discs and tape, and the various techniques used in specialized recording. Profusely illustrated with photos and line drawings. 356 pages. Very Good condition. Uncommon. Dust Jacket. \$20.00

210. BABANI, BERNARD B.; *Amplifier Manual Number 2* . 1st edition, 1950. This book contains construction details for various amplifier circuits, including 4, 10, 15 and a couple of 50 watt power amplifiers. Elements of design of an output stage as well as choice of tubes and transformers are included. 63 pages. 22 illus. Very Good condition. Scarce. Softcover. \$25.00

211. BERANEK, LEO L.; *Acoustics* . 1st edition, 1954. This famous volume provides a concise treatment of the subject with emphasis on loudspeakers & enclosures, horns, microphones, circuits and the theoretical background involved. A fine copy w/ dust jacket, it is also a signed presentation copy with an inscription from the author to Herb Erf, treasurer of the Acoustical Society. 481 pages. 326 illus. Fine condition. Scarce. \$75.00

212. BRIGGS, ASA; *The History of Broadcasting in the United Kingdom* . 1st edition, 1961. This is Vol. I: The Birth of Broadcasting, of a three volume set. It is an authoritative account of the rise of broadcasting in the United Kingdom, set against the background of wireless developments in other parts of the world. Includes an extensive bibliography. Ex-library, in very nice condition. 425 pages. 50 photos. Very Good condition. Scarce. \$35.00

213. BRIGGS, G.A.; *A to Z in Audio* . 1st edition, 1960. An excellent audio reference book containing all the definitions used in audio at the time and illustrated with speakers, microphones, pickups, records, tape recorders, and even early transistors. 224 pages. 160 illus. Very Good condition. Uncommon. Dust Jacket. \$35.00

214. BROWN, ROBERT AND OLSEN, MARK; *Experimenting With Electronic Music* . 1st edition, 1975. This book provides some of the basics, circuits and methods available to the electronic music enthusiast. The history of electronic music is discussed, as well as the principles behind the generation of synthesized music. Includes many photos of early synths and associated gear, along with construction projects of theremins, oscillators, etc.. 180 pages. 127 illus. Very Good condition. Scarce. \$35.00

Sound/Audio

215. CANBY, EDWARD T.; BURKE, C.G.; KOLODIN, IRVING; Home Book Of Recorded Music and Sound Reproduction . 1st edition, 1952. Written by experts, this book is divided into 3 sections. The first section offers a brief history of the recording industry, explaining recent advances in recording techniques, including a trip to the studio. The second section compares equipment, while the third gives tips on becoming a record critic! 308 pages. Very Good condition. Scarce. Dust Jacket. \$20.00

216. CANBY, EDWARD TATNALL; High Fidelity and The Music Lover . 2nd edition, 1958. The author discusses in detail all the components of HI-FI systems; including speakers, amplifiers, tape recorders and the new sensation of the day, stereo. He evaluates them in terms of expense and quality of sound appreciation. 302 pages. Very Good condition. Uncommon. Dust Jacket. \$15.00

217. CROWHURST, NORMAN H.; Audio Systems Handbook . 1st edition, 1969. This book bridges the gap between a non-technical treatment, since an audio system is accepted as an entity designed by experts in their field, and the engineering treatise, usually never published. From amplifiers to microphones to compressors & limiters, Crowhurst covers everything! 192 pages. 119 illus. Very Good condition. Scarce. \$55.00

218. CROWHURST, NORMAN H.; High-Fidelity Sound Engineering . 1st edition, 1961. This highly acclaimed treatise provides a complete ready reference for active design work, assuming only a knowledge of electrical fundamentals. The extensive contents include chapters on feedback, power amplification, transducers and system design among many others. 328 pages. 264 illus. Fine condition. Uncommon. Dust Jacket. \$65.00

219. CROWHURST, NORMAN H.; The Use Of A.F. Transformers . 1st edition, 1953. This book shows in detail how circuit values affect A.F. transformer performance. Simple to use charts are provided to find a circuit suitable for any A.F. transformer. An excellent book for the amplifier builder. 64 pages. 44 illus. Very Good condition. Scarce. Softcover. \$40.00

220. FRANSSEN, N.V.; Stereophony . 1st edition, 1964. Part of the Phillips Technical Library, this book explains concepts and effects such as directional, mono and stereophonic, monaural and binaural hearing. It demonstrates how these principles can be used for setting up stereophonic transmissions and how they influence the acoustic properties of an auditorium. 86 pages. 64 illus. Fine condition. Uncommon. Dust Jacket. \$20.00

221. GREENLEES, A.E.; The Amplification and Distribution Of Sound . 1st edition, 1943. The standard textbook on sound reinforcement, details are provided on transformer design, decibel calculations, and amplifier performance tests. Microphone and loudspeaker location, power requirements, distribution lines, matching and acoustics are explored with in various chapters. This is the third impression. 255 pages. 82 illus. Very Good condition. Scarce. Dust Jacket. \$40.00

Sound/Audio

222. HULL, M.D.; **Building HI-FI Speaker Systems** . 6th edition, 1977.  
Published by the Loudspeaker Laboratories of Phillips Co. for use of the home constructor, this book includes many construction details for various types of loudspeakers and their enclosures. Room acoustics, raw speakers, and complete systems are discussed. 232 pages. 34 photos. 293 illus. Very Good condition. Uncommon. Softcover. \$15.00

223. LANGFORD-SMITH, F.; **Radiotron Designer's Handbook** . 4th edition, 1953. This famous handbook was prepared expressly for the radio set designer but is also an invaluable reference for audio engineers, experimenters and service mechanics. Profusely illustrated, this mammoth edition contains much on audio circuits, feedback, and radio frequency amps, the work of 10 authors and 23 collaborating engineers. A super book!! 1482 pages. 999 illus. Good + condition. Scarce. \$95.00

224. LANGFORD-SMITH, F.; **Radiotron Designer's Handbook** . 3rd edition, 1941. This famous handbook was prepared expressly for the radio set designer but will be found invaluable to all radio engineers, experimenters, and service mechanics. 352 pages. Very Good condition. Common. \$15.00

225. LANGHAM, JAMES R.; **High Fidelity Techniques** . 1st edition, 1950. A guide to Hi-Fi for those who wish to get involved in audio. This book demonstrates how to achieve top performance from your equipment, encompassing such areas as distortion, speakers, power amplifiers and amplifier design. 112 pages. 45 illus. Very Good condition. Scarce. Softcover. \$15.00

226. MASSA, FRANK; **Acoustic Design Charts** . 1st edition, 1942. This volume is a compilation of acoustical engineering data prepared for the express purpose of providing a comprehensive source of quantitative design information. It is intended as a reference for anyone involved in the design or construction of electro-acoustic apparatus. From the USAF Library. 228 pages. 107 illus. Very Good condition. Scarce. \$25.00

227. MCLACHLAN, N.W.; **Loudspeakers** . 1st edition, 1934. A landmark volume on the theory, performance, testing, and design of loudspeakers. This book gives a complete treatment of the practice and application of various types of raw speakers as well as the enclosures. An extensive bibliography including 228 entries is included. A nice addition to your audio library. Ex-library. 399 pages. 165 illus. Very Good condition. Rare. \$120.00

228. N. PARTRIDGE; **Partridge P.A. Manual** . 1st edition, 1936. A booklet published due to the popularity this power amplifier enjoyed after being developed only 12 months before. Complete construction details are included on this famous 30 watt power amplifier utilizing British PX25A output tubes. The covers are soiled and there is a small 3/4" hole in the front cover. 32 pages. 19 illus. Good condition. Scarce. Softcover. \$20.00

Sound/Audio

229. OLSON, HARRY F.; *Dynamical Analogies* . 1st edition, 1944. A must for the Acoustical engineer, Olson devised a method of solving problems by comparing them to electrical circuits, using these analogies in the development of electro-acoustic transducers. This is a very nice copy of the 2nd printing. 196 pages. Very Good condition. Scarce. \$60.00

230. OLSON, HARRY F.; *Elements Of Acoustical Engineering* . 1st edition, 1940. Originally presented at Columbia University as a series of 30 lectures, combining the fundamental principles of modern acoustics with a description of acoustical instruments and systems. A seldom seen reference for the acoustical engineer. Includes many drawings and illustrations. 344 pages. Very Good condition. Scarce. \$85.00

231. ORINGEL, ROBERT S.; *Audio Control Handbook For Radio and TV Broadcasting* . 2nd edition, 1963. This book presents a clear and comprehensible description of audio control equipment and operation. Many diagrams and photographs supplement the text, clarifying points that might otherwise be obscure. Contains many great photos of early professional equipment, such as control boards, microphones and studios. 145 pages. 126 illus. Fine condition. Scarce. Dust Jacket. \$45.00

232. RAYLEIGH, LORD; *Theory of Sound* . 2nd edition, 1926. An attractive two-volume set dedicated to combining the most important advances in the field as one major work. A classic reference which should occupy a space on the shelf of any serious audio engineer. This particular pair was reprinted in 1926 and came from the library of Herbert Erf, a pioneer in acoustics, and are in exceptional condition. 983 pages. 125 illus. Very Good condition. Rare. \$95.00

233. READ, OLIVER; *The Recording And Reproduction Of Sound* . 2nd edition, 1952. The first complete book on all phases of sound. Beginning with a fine history and study of sound waves, recording methods are discussed. Equipment involved included microphones, pickups, amplifiers, loudspeakers, and LP records. 790 pages. 435 illus. Good + condition. Scarce. \$35.00

234. SHEA, RICHARD F.; *Amplifier Handbook* . 1st edition, 1966. This giant handbook encompasses virtually every phase of electronic amplification. It represents an enormous source of both amplifying techniques and specific circuits. It includes enough material to permit the design of circuits other than those represented and many hundreds of diagrams & illustrations. 1543 pages. Very Good condition. Scarce. \$95.00

235. WOOD, ROBERT WILLIAMS; *Supersonics- The Science Of Inaudible Sounds* . 1st edition, 1939. Originally presented as lectures, the history and early development of supersonics is thoroughly explained and illustrated. Possibly one of the first histories on the subject. 159 pages. 42 illus. Very Good condition. Scarce. \$20.00

SCIENCE FICTION

236. GERNSBACH, HUGO; *Ralph 124C41+ A Romance Of The Year 2660* . 1st edition, 1925. This extremely hard to find edition is what may be classified as a historic science fiction book. Hugo presents a very accurate picture of what the future might be like, predicting such far out things as radar, solar energy, space travel, and a host of others. The cover contains some light soiling. 293 pages. 16 illus. Very Good condition. Very Rare. \$195.00

TELEPHONE

237. (PERIODICAL); *The American Telephone Review* . 1st edition, 1900. A fine selection totaling 170 issues of a scarce magazine. The first 5 are loose & sporadic, from Nov 1900-01. The remainder are bound & range weekly from Jan '02-Dec '08, (volumes 5-7, 9,&16-18). These incredible issues provide an early representation of a great time period with ads illustrations & articles! Covers are loose, from the IEEE lib- 34 lbs! 3356 pages. 999 illus. Fair condition. Very Rare. \$695.00

238. (PERIODICAL); *The American Telephone Journal* . 1st edition, 1900. A very important early run of the premier telephone magazine at the turn of the century. There are a total of 5 loose issues, from Vol #2, 1900 to Vol #4 1901, and 5 bound volumes; Vol 5, 6, 7, 9, 16, 17 and 18 for a total of over 180 weekly issues, A few have covers, the bound volumes need to be rebound, as the hardcovers are loose. IEEE Library. 4000 pages. 999 photos. 999 illus. Good condition. Very Rare. \$695.00

239. AITKEN, WILLIAM; *Who Invented The Telephone?* . 1st edition, 1939. This intriguing volume examines the question of who deserves the chief credit for the invention of the telephone. The author's object was to review the history of the telephone from an unprejudiced and independent point of view, studying contemporary accounts and documents. A seldom seen volume, this is the first copy we've had! 196 pages. 19 illus. Fine condition. Rare. Dust Jacket. \$75.00

240. BALDWIN, T.S.; *Practical Telephone Handbook and Guide To Telephonic Exchange* . 2nd edition, 1911. Presenting a history with theory and operation of the telephone, this book does a wonderful job of explaining the technical side of telephony. Many photos and illus. of phones and equipment are displayed. The front cover is nicely embossed in silver with a pot- belly candlestick phone and its accessories. A few pages are soiled. 179 pages. 53 illus. Good + condition. Scarce. \$30.00

241. BELL, ALEXANDER GRAHAM; *The Mechanism Of Speech* . 6th edition, 1914. This rarely seen volume is the only book ever written by A.G. Bell. This book is the result of Bell's research in aiding the deaf, including his mother and wife. Contains many illustrations of the mouth, throat, and larynx in their relation to speech. 133 pages. Fine condition. Rare. \$65.00

242. BROOKS, JOHN; *Telephone: The First Hundred Years* . 1st edition, 1976. This is the full story of the telephone as written on the 100th anniversary of its invention. Contains many neat photos of early apparatus, and a fine bibliography at the end of the book. 369 pages. 65 photos. Fine condition. Common. Dust Jacket. \$20.00

Telephone

243. CASSON, HERBERT N.; **The History Of The Telephone** . 1st edition, 1910. This is a remarkable account of the history of one of our most treasured possessions, the telephone. The invention and its development are well researched throughout the book. 315 pages. 30 photos. Very Good condition. Uncommon. \$20.00

244. DOLBEAR, A.E.; **The Telephone** . 1st edition, 1877. The first book ever printed on the telephone. Contains directions for making a speaking telephone. The author, in 1882, produced a workable wireless telegraph apparatus which he patented. The front and rear covers contain an embossed illustration of an early telephone. A historical book for the discriminating collector! 128 pages. 17 illus. Good + condition. Very Rare. \$175.00

245. FREEDMAN, W.H.; **Telephone Station Equipment** . 2nd edition, 1928. This book consists of parts 1 and 2. The first part covers telephone instruments describing the theory & applications of the various apparatus used in the field. The second part describes private branch exchanges, coin collector installations and the installation of wiring and telephones. 161 pages. 101 illus. Very Good condition. Scarce. \$20.00

246. FREEDMAN, W.H.; **Telephone Central Office** . 1st edition, 1930. This book encompasses all areas of the central office, including switchboard circuits and wiring, arrangement of apparatus in switchboards, subscriber's and toll operator's positions, desk equipment, etc.. 156 pages. 98 illus. Very Good condition. Scarce. \$20.00

247. GOVERNMENT PRINTING OFFICE; **Investigation Of Charges Relating to The Pan-Electric Telephone Company** . 1st edition, 1886. This mammoth volume contains the testimony taken by the committee appointed by the House Of Representatives to investigate charges against certain public officers relating to the Pan-Electric Telephone Company; and to suits by the United States to annul the Bell Telephone patents. Super history & reference! 1314 pages. Very Good condition. Very Rare. \$95.00

248. HOMANS, JAMES E.; **ABC Of The Telephone** . 2nd edition, 1904. A practical and useful treatise for workers in telephony, giving a review of the development of the industry to 1900, and full descriptions of numerous valuable inventions and appliances, together with many illustrations, diagrams and tables. 335 pages. 268 illus. Very Good condition. Scarce. \$35.00

249. JOHNSON, K.S.; **Transmission Circuits For Telephonic Communication** . 1st edition, 1929. This volume was originally printed privately for use by Bell Telephone Labs. It has since evolved into a comprehensive study of theory and principles applicable to telephone circuit development & design. Telephone repeaters, wave filters and substation circuits are some of the areas covered. 326 pages. Good + condition. Scarce. \$15.00

Telephone

250. LOCKWOOD, T.D.; **Practical Information For Telephonists** . 2nd edition, 1891. One of the earliest books on the telephone, it presents many facts and figures about the speaking telephone, the Blake transmitter, telephone lines, switchboard, and batteries. The daily routine of the telephone inspector and the knowledge needed for repairs is also discussed. 192 pages. Good + condition. Very Rare. \$85.00

251. MEYER, HUGO R.; **Public Ownership and The Telephone In Great Britain** . 1st edition, 1907. An in-depth historical overview of the restriction of the telephone industry by the state and the municipalities. A very interesting compilation of little known facts during the infancy of the telephone. From The IEEE Library. 386 pages. Very Good condition. Very Rare. \$85.00

252. MILLER, KEMPSTER B.; **American Telephone Practice** . 4th edition, 1905. This profusely illustrated volume covers the history and principles of all the early telephone receivers and transmitters, along with induction coils, switchboards, and overhead and underground cable construction. 888 pages. 643 illus. Good + condition. Scarce. \$45.00

253. MITCHELL, JAY G.; **Principles and Practice of Telephony** . 1st edition, 1923. A wonderful 5 volume set on the principles and application of early telephone apparatus. Published by McGraw-Hill, this is the first set we've come across. The titles are as follows: Mechanical Manual Switching, Toll Equipment Traffic, Principles & Apparatus, Circuit Elements & Power Plants, Circuit Refinements & Mechanical Switching. 1433 pages. 317 illus. Very Good condition. Scarce. \$75.00

254. PREECE, WILLIAM H. AND STUBBS, ARTHUR J.; **A Manual Of Telephony** . 1st edition, 1893. A wonderful history of the telephone, outlining its theoretical aspects and practical applications. Many illustrations of early equipment complement the text; a must for the telephone historian. A thorough account of the early days of telephony by one of its pioneers. Nicely rebound in blue cloth. 508 pages. 333 illus. Good + condition. Rare. \$65.00

255. PRESCOTT, GEORGE B.; **The Speaking Telephone, Electric Light, and Other Recent Electrical Inventions** . 1st edition, 1879. This exceedingly rare book is the first to describe and illustrate the telephone and the electric light in such detail together. A total of 291 pages are devoted to the telephone, with many illustrations. A chapter is also devoted to the phonograph. Nicely rebound in green cloth, the last page is soiled. First copy we've had in years! 616 pages. 319 illus. Good + condition. Very Rare. \$185.00

256. PRESCOTT, GEORGE B.; **The Speaking Telephone, Talking Phonograph, And Other Novelties** . 1st edition, 1878. This exceedingly rare book is the first to describe and illustrate the phonograph and telephone in such detail together. A total of 291 pages are devoted to the telephone, with many illustrations. There's even a chapter devoted to the electric light! Rebound using the original covers and spine. The endpapers have some interesting newsclippings. 431 pages. 208 illus. Good + condition. Very Rare. \$195.00

Telephone

257. RHODES, FREDERICK LELAND; *Beginnings of Telephony* . 1st edition, 1929. This volume is probably the best history and reference book on early telephony written before 1930. The early Bell patents are thoroughly described, and many photos of early telephone equipment are included. Contains an excellent bibliography and appendices. 261 pages. 30 photos. 24 illus. Very Good condition. Scarce. \$55.00

258. ROBERTSON, JOHN H.; *The Story Of The Telephone* . 1st edition, 1947. A history of the telecommunications industry of Britain. Includes much technical background on the development of the telephone, and the way it changed the world. 299 pages. Very Good condition. Scarce. \$25.00

259. STEHMAN, J. WARREN; *The Financial History of The American Telegraph and Telephone Company* . 2nd edition, 1967. Originally printed in small numbers in 1925, this classic was reprinted to satisfy the inquiries of modern day historians and economists. It begins with a detailed history of the telephone & its early financing, followed by the American Bell Telephone Co. under monopoly, competition and expansion. Includes a nice bibliography. 337 pages. Very Good condition. Scarce. \$25.00

260. VAN DEVENTER, H.R.; *Telephonology* . 1st edition, 1910. A bible for the telephone historian, featuring hundreds of diagrams and photos of telephone equipment of the period, and discussing installation & maintenance. A chapter on wireless telephony is included, with some photos of A.F. Collins and some of his apparatus. A very impressive book. Slight wear along the spine. 586 pages. 682 illus. Good + condition. Rare. \$65.00

261. WILLIAMS, J.A.; *Manual of Rural Telephony* . 1st edition, 1902. This seldom seen title details the necessary points in connection with the organization, construction, operation and maintenance of party lines, private lines & rural telephone exchange systems. Contains many illustrations of early apparatus & is signed by the author! Included is an original invoice & Price List from Williams Tel. Supply. Nice! 177 pages. 104 illus. Very Good condition. Rare. \$85.00

TELEGRAPHY

262. BATES, DAVID HOMER; *Lincoln In The Telegraph Office* . 1st edition, 1907. Recollections of the United States military during the Civil War. The author, who was the manager of the War Dept. telegraph office, and cipher operator during the Civil War, relates his experiences during these important times. A must for the telegraph historian's library. 432 pages. 23 illus. Very Good condition. Rare. \$75.00

263. CLARK, LATIMER AND SABINE, ROBERT; *Electrical Tables and Formulae* . 1st edition, 1871. This is a complete compilation of electrical tables and formula for the use of telegraph inspectors and operators, along with details on testing and troubleshooting the circuits. A very early book on the subject, written by two famous telegraph inventors. The top and bottom of the spine is chipped. 285 pages. Good + condition. Rare. \$75.00

Telegraphy

264. DIBNER, BERN; *The Atlantic Cable*. 1st edition, 1959. This book traces the laying of undersea telegraph cables from the first expedition across the English Channel in 1851, through the many trials of the Transatlantic cable. Included are many fine illustrations and an excellent bibliography, as well as a folding map showing the routes of the various expeditions. 96 pages. 52 illus. Very Good condition. Uncommon. Softcover. \$15.00

265. DODGE, G.M.; *The Telegraph Instructor*. 1st edition, 1908. Designed for use by the student of railroad and wireless telegraphy. A well written textbook explaining the theory and application of telegraphy. The covers are stained along the foredge. 275 pages. 10 photos. 8 illus. Good + condition. Common. \$20.00

266. FLEMING, J.A.; *The Propagation Of Electric Currents In Telephone and Telegraph Conductors*. 3rd edition, 1919. A series of lectures given by Fleming for telephone and telegraph engineers. The theory of electrical flow in telegraph and telephone cables is extensively treated, interspersed with many references. 370 pages. 19 illus. Very Good condition. Rare. \$45.00

267. GREY, ZANE; *Western Union*. 1st edition, 1939. This is the epic tale of the men who constructed the telegraph line through a thousand miles of wilderness. Buffalo stampedes, Indians, prarie fires and even floods were elements of the life of constant peril and excitement presented in this thrilling story. 297 pages. Very Good condition. Scarce. \$35.00

268. JOHNSTON, W.J.; *Lightning Flashes and Electric Dashes*. 3rd edition, 1882. A volume of choice telegraphic literature, humor, fun, wit, and wisdom. An unusual book depicting the humorous side of telegraphy, accentuated by many illustrations. An excellent historical account of Morse and the telegraph is included. 160 pages. Good + condition. Rare. \$75.00

269. JONES, WILLIS H.; *Diagrams and Complete Information For Telegraph Engineers and Students*. 2nd edition, 1915. This interesting book contains diagrams of the most recent methods employed by electrical engineers in constructing, connecting, and arranging telegraph apparatus. A handy, up-to-date reference for this early time period. This edition includes an appendix comprising 24 pages describing the "new" Western Electric Multiplex system. 464 pages. 234 illus. Very Good condition. Scarce. \$30.00

270. KERBEY, MAJOR J.O.; *The Boy Spy*. 1st edition, 1890. Possibly the most factual account of the Civil War telegrapher in the field. A substantially true record of secret service during the war. Details are revealed in this seldom seen book which would have otherwise been lost to history. Many illustrations accompany the text. A large volume, with a nicely embossed, slightly worn front cover. 556 pages. 33 illus. Good + condition. Rare. \$95.00

Telegraphy

271. LARKIN, OLIVER W.; *Samuel F.B. Morse and American Democratic Art*. 1st edition, 1954. This biographical sketch relays a different aspect of the great inventor. Morse produced over 300 paintings in his lifetime. This book gives an objective view of his painting career, as well as his work on the telegraph and subsequent developments. Ex-library copy. 215 pages. Good + condition. Uncommon. \$15.00

272. MAVER, WILLIAM JR.; *American Telegraphy: Systems Apparatus Operation*. 5th edition, 1912. This famous book by Maver contains all information on the various telegraph systems known up until that time. Included are galvanometers and stocktickers, fire alarm telegraphs, and the Edison Phonoplex System. Slight wear at top of spine, the hinges are a little weak. 695 pages. 544 illus. Good + condition. Rare. \$125.00

273. MCDONALD, PHILIP B.; *A Saga of the Seas*. 1st edition, 1937. This fine book tells the story of the laying of the first Atlantic Cable and the New York merchant, Cyrus W. Field, who made it possible by his enlistment of British engineers and ships. This chronicle relates how the difficult feat was accomplished after many years of failure. 288 pages. 11 photos. Very Good condition. Scarce. \$30.00

274. MEYER, FRED L.; *Twentieth Century Manual Of Railway Commercial Telegraphy*. 4th edition, 1905. The scope of this book is mainly to instruct telegraph operators in the everyday business of running a telegraph office. The basic theory in electricity is presented, but the main theme concerns the forms and procedure of commercial and railway telegraphy. 269 pages. 29 illus. Good + condition. Scarce. \$30.00

275. POPE, FRANK L.; *Modern Practice of the Electric Telegraph*. 11th edition, 1884. A handbook for electricians and operators of the electric telegraph with descriptions of the galvanic battery, electromagnetism, and telegraph circuits. Many fine illustrations and diagrams of early telegraph equipment are shown. The cover is worn and the front blank endpaper has the corner torn away. 160 pages. 65 illus. Good condition. Scarce. \$55.00

276. REID, JAMES D.; *The Telegraph In America*. 2nd edition, 1886. This immense volume is the most sought after reference work on early telegraph history. It includes biographies of notable inventors, as well as promoters and noted men who built up the companies. The telegraph's important relationship with the railroad is documented. The book has been nicely rebound with the original front cover laid on 894 pages. 73 illus. Very Good condition. Very Rare. \$360.00

277. STEPHENS, J.H.; *Telegraph Cable Engineering (Volumes I,II, & III)*. 1st edition, 1925. "Strictly confidential and intended for private circulation among the staff of The Eastern Associated Telegraph Companies". This three volume set is the most exhaustive study of the submarine telegraph cable printed up to the time. It even covers Marconi transmitters and receivers! 2082 pages. 999 illus. Very Good condition. Rare. \$155.00

## TRANSISTOR

278. WRIGHT, D.A.; Semiconductors . 1st edition, 1950. A elementary treatise on the properties of semiconductors. Of major interest is a 2 page account of the transistor, perhaps the first time it was referenced in a book written outside the United States. 130 pages. 32 illus. Very Good condition. Scarce. . \$25.00

## TESLA & HIGH VOLTAGE

279. (PUBLISHER) NOLIT; Nikola Tesla: Colorado Springs Notes 1899-1900 . 1st edition, 1978. This is the third book published by the Tesla Museum in 1977, the contents of his research diary from Colorado Springs. It gives an excellent insight into his experiments and activities during one of productive periods of his life. Many photos and drawings of his apparatus & work complement the text, nicely bound in a large volume. 437 pages. Fine condition. Scarce. \$85.00

280. ALLSOP, F. C.; Induction Coil And Coil Making . 1st edition, 1892. This is a treatise on the construction and working of shock, medical and spark coils. Contains many beautiful illustrations of unusual spark coils and various electrical apparatus. Includes a chapter on X-ray photography. A highly recommended book for the high voltage freak! This is a rarely seen first edition. 162 pages. 118 illus. Very Good condition. Rare. \$115.00

281. BONNEY, G.E.; Induction Coils: A Practical Manual For Amateur Coil Makers . 1st edition, 1892. One of the earliest treatises on the subject of spark coil construction, it covers the theoretical design of manufacture, as well as use and repair of induction coils. The first copy we've had for sale, there is a slight stain on the foredge. From The IEEE Library. 231 pages. 101 illus. Good + condition. Very Rare. \$125.00

282. CHENEY, MARGARET; Tesla: Man Out Of Time . 2nd edition, 1989. This is the life story of the genius of the electrical world in the late 19th and early 20th centuries. The text is well documented, and enjoyable reading & is guaranteed to hold the readers' attention until he finishes the book. Includes a nice illustrated dust jacket. 320 pages. Fine condition. Common. \$15.00

283. CRAGGS, J.D. AND MEEK, J.M.; High Voltage Laboratory Technique . 1st edition, 1954. With a combined total of over 20 years experience in the high-voltage Research Department at Metropolitan-Vickers, the authors have put it all together for the serious high voltage experimenter. Some of the chapters include Generation Of High Voltage AC, Rotating and sphere spark gaps, Measurement of high voltage etc.. 404 pages. 368 illus. Very Good condition. Rare. \$65.00

284. EBERHART, NOBLE M.; A Working Manual Of High Frequency Currents . 4th edition, 1920. This manual covers the theory and application of using high frequency waves in healing the infirm. Many types of apparatus are illustrated, including the Tesla coil, Oudin coil, and X-ray. An interesting book. 320 pages. 69 illus. Very Good condition. Scarce. \$55.00

Tesla & High Voltage

285. MILLER, SAMUEL C. AND FINK, DONALD G.; *Neon Signs* . 1st edition, 1935. A complete picture of the manufacture of neon signs, their installation and maintenance. Beginning with the fundamental process and operation, the production of more advanced and intricate designs is described and demonstrated. Many photos and illustrations show the pumping, bending and electrical equip. A classic work on the subject. 288 pages. 105 illus. Very Good condition. Rare. \$35.00

286. MOORE, A.D.; *Electrostatics- Exploring, Controlling, and Using Static Electricity* . 1st edition, 1968. This book covers the history, theory and uses of static electricity. It includes many detailed explanations, reviewing early investigations by Ben Franklin, Michael Faraday and others. It also has extensive information on how you can build your own generators and perform experiments using plexiglass materials. A Great Book! 240 pages. 40 illus. Fine condition. Scarce. Dust Jacket. \$45.00

287. O'NEIL, JOHN J.; *Prodigal Genius; The Life Of Nikola Tesla* . 1st edition, 1945. The first biography of this great scientist and inventor. A hard to find copy of the first edition which covers most of his important experiments with motors, wireless telegraphy, and high voltage. 326 pages. Very Good condition. Scarce. \$45.00

288. ROSE, H.E. AND WOOD, A.J.; *An Introduction To Electrostatic Precipitation in Theory and Practice* . 1st edition, 1956. This book is for any high voltage freaks who may wish to design and construct his own precipitator to keep the surrounding state clean of pollutants! From The Oak Ridge Nuclear Library. 166 pages. 57 illus. Very Good condition. Scarce. \$20.00

289. SCHWAB, ADOLF J.; *High-Voltage Measurement Techniques* . 1st edition, 1972. This book provides a survey of measurement techniques, and is written from the point of view of the power engineer. Published by the MIT Press, some of the testing was done at the High Voltage Research Laboratory at MIT. An extensive bibliography containing 645 entries is included. 290 pages. 205 illus. Very Good condition. Scarce. Dust Jacket. \$25.00

290. TESLA, NIKOLA; *Experiments with Alternate Currents of High Potential and High Frequency* . 2nd edition, 1904. A fine 2nd edition of Tesla's epical treatise on high potential and high frequency. To my knowledge, this is the only book that Tesla ever wrote. This edition covers Tesla's experiments on the transmission of electric energy without wires, with photos of his laboratories. 162 pages. 6 photos. 35 illus. Fine condition. Very Rare. \$125.00

291. TESLA, NIKOLA; *My Inventions: The Autobiography of Nikola Tesla* . 1st edition, 1982. This book was originally published in 1919 through a six part series of articles in the Electrical Experimenter. The introduction by Ben Johnston is exceptional, providing a biographical sketch paving the way for Tesla's own reflections. His unusual exploits are described and illustrated, in an enjoyable format. 112 pages. 23 illus. Fine condition. Scarce. Softcover. \$20.00

**Tesla & High Voltage**

292. THOMPSON, SILVANUS P.; **Polyphase Electric Currents and Alternate Current Motors** . 1st edition, 1895. A course of four lectures compiled in book form for use by students and engineers. The Tesla polyphase motor is covered in depth. An excellent bibliography is provided as well as a list of patents on the subject. Includes 2 folding plates at the rear. A beautiful copy! 261 pages. 171 illus. Very Good condition. Rare. \$85.00

293. WHITEHEAD, S.; **Dielectric Phenomena; Electrical Discharges In Gases** . 1st edition, 1926. This volume gives an account of the main phenomena which are observed in electrical discharges through gases at pressures for which the mean path is small compared with the electrode dimensions. A brief discussion of the theories involved is included as well as sparkover and corona. 176 pages. 52 illus. Very Good condition. Scarce. \$40.00

294. YARWOOD, J.; **High Vacuum Technique** . 2nd edition, 1945. In clear and concise form this book presents the theory, practice and industrial applications of high vacuum techniques. It describes the production and measurement of high vacua, explaining the physical basis of the methods developed. A detailed 7 page bibliography is included. 140 pages. 90 illus. Good + condition. Scarce. Dust Jacket. \$30.00

**TELEGRAPH-TELEPHONE**

295. (TRADE CATALOG) GRAYBAR ELECTRIC CO.; **Graybar General Catalog No. 103** . 1st edition, 1948. From full size derricks to complete substations to insulators, it's all here in this massive catalog! Western Electric Amplifiers, mixers, consoles, microphones and even transmitters & test equipment are included in this great reference book. 1116 pages. 999 illus. Very Good condition. Scarce. \$95.00

296. AMERICAN TECHNICAL SOCIETY (PUBLISHER); **Cyclopedia Of Telegraphy and Telephony** . 1st edition, 1912. This is Volume IV of a four-volume set, and it contains the telegraph and wireless telegraph section of this famous encyclopedia. The wireless telephone, teleautograph and the Poulsen Telephone are also covered in depth. Contains many nice illustrations and drawings of early apparatus. Nicely bound in a 1/2 leather binding. 394 pages. 267 illus. Very Good condition. Scarce. \$45.00

297. HANSCOM, C. DEAN; **Dates In American Telephone Technology** . 1st edition, 1961. Compiled by the Bell Telephone Laboratory Historian, this book lists important dates and facts relating to the development of the telephone. This is a GREAT reference to use, as it also covers byproducts such as microphones, phonographs, TV, computers, tape recorders, telegraph and military radio equipment. A very scarce title 148 pages. Very Good condition. Very Rare. \$85.00

Telegraph-Telephone

298. KENNELLY, A.E. AND OTHERS; Electricity In Daily Life . 1st edition, 1891. This book describes the theory and development of electrical apparatus in the 19th century. The telegraph and telephone are discussed, along with a chapter devoted to the transatlantic cable. Many wood engravings of early electrical devices and portraits of their inventors are shown. 288 pages. 125 illus. Very Good condition. Rare. \$65.00

299. MUNRO, JOHN; The Story Of Electricity . 2nd edition, 1912. A popular treatment beginning with frictional electricity and magnetism, showing the applications present at the turn of the century. The X-Ray, telephone, telegraph, and wireless telegraphy are well explained, with many illustrations. 225 pages. 102 illus. Very Good condition. Scarce.

\$25.00

TELEVISION

300. (EDITORS) PORTERFIELD, JOHN AND REYNOLDS, KAY; We Present Television . 1st edition, 1940. While television was still in its infancy, this book was written to inform the public. Having emerged from the laboratory more than a scientific curiosity, this work explains the technical aspects as well as studio and production details. The contributors are all well known editors and engineers- Very Nicel 298 pages. 44 photos. Very Good condition. Rare. \$55.00

301. (MCGRAW-HILL TELEVISION SERIES); WENTWORTH, JOHN W.; Color Television Engineering . 1st edition, 1955. The first book on color television, written on an engineering level. Color television standards are listed and the various circuits used in receiver construction are shown and discussed. The RCA CT-100 color receiver is included, as well as some color illustrations. A very nice copy of hard-to-find title, this one is signed by the author! 459 pages. 659 illus. Fine condition. Scarce. \$55.00

302. BAILEY, ARNOLD B.; TV and Other Receiving Antennas . 1st edition, 1950. Both the radio amateur and the engineer should find this title useful in designing their own antenna system. Not the purpose of this book to overly stress mathematical theory, the author's experience in the field provides a helpful guide to a practical understanding of the subject. 595 pages. Good + condition. Scarce. \$30.00

303. BARNARD, GEORGE P.; The Selenium Cell; Its Properties and Applications . 1st edition, 1930. This covers the early history, construction, properties, and theories of the action of light on selenium. Included are two significant chapters covering light-telephony and television. Contains an excellent bibliography at the end of each chapter with over 800 entries. A landmark volume, the back cover is stained at the top. 331 pages. 258 illus. Good + condition. Rare. \$55.00

Television

318. LYTEL, ALLAN; TV Picture Projection and Enlargement . 1st edition, 1949. This book covers the technical development of optically enlarging the size of the TV screen. The principles of reflection, refraction and lenses are dealt with in an easy to read format. A chapter is devoted to various commercial TV receivers employing the projection method of enlarging the screen. Neat! 179 pages. 115 illus. Very Good condition. Scarce. Dust Jacket. \$20.00

319. MARTIN, MARCUS J.; Wireless Transmission Of Photographs . 2nd edition, 1919. The first book ever written on the subject, Providing an overview of the different systems in use at the time. This work was published by The Wireless Press, Ltd. Marconi House, Strand. A rarely seen book which helped lead to the development of television. 143 pages. 77 illus. Very Good condition. Very Rare. \$135.00

320. MCGREGOR-MORRIS, J.T. & HENLEY, J.A.; Cathode Ray Oscillography . 1st edition, 1936. This book covers the theory, practice, operation, and applications of the cathode ray tube as applied in testing. An early book on the subject, included are many photos of early CRT's & their associated equipment. Designated as Volume II of Monographs On Electrical Engineering, it is complete in itself. 249 pages. 151 illus. Very Good condition. Scarce. \$45.00

321. MOSELEY, SYDNEY; John Baird . 1st edition, 1952. A seldom-seen biography which explores the romance and tragedy of the Pioneer of Television. An excellent history on early television, it includes his trip to America and eagerness to sell his system over here. 256 pages. 11 photos. Fine condition. Scarce. Dust Jacket. \$30.00

322. NATIONAL BROADCASTING CORP.; NBC Television Tour: Seeing At A Distance . 1st edition, 1939. A rarely seen booklet published by NBC for its television building at the World's Fair in 1939. Profusely illustrated with many photos I've never seen before of the display and layout of the building. There are even some shots of the inside of the RCA TV assembly lines, and a historical exhibit. 36 pages. 65 photos. Very Good condition. Rare. Softcover. \$95.00

323. RCA INSTITUTES TECHNICAL PRESS; RCA Review 1936 - 1949 . 1st edition, 1936. This is the first 10 volumes of the famous "RCA Review", a publication which contains papers published by RCA engineers, rich in new discoveries and procedures. Published quarterly, this publication followed the progress of television, FM, UHF, microphones, and vacuum tubes. The first 5 volumes are in matching bindings, the rest are not. 4000 pages. 999 illus. Very Good condition. Rare. \$195.00

324. RIDER, JOHN; Encyclopedia On Cathode Ray Oscilloscopes And Their Uses . 1st edition, 1955. A profusely illustrated, very large volume which presents a cross section of cathode ray oscilloscope theory and application. It covers the most significant uses of the oscilloscope, including repair, experimentation, and monitoring. Includes a torn dust jacket. 982 pages. Very Good condition. Uncommon. \$25.00

Television

325. TYLER, KINGDON S.; Telecasting And Color . 1st edition, 1946. A rarely seen book on the first commercial undertaking of color television. The author was a construction engineer for CBS. This book describes the basic principles of color tv, complemented by many photos of early televisions, cameras, and equipment. Includes a nice illustrated dust jacket. 213 pages. 31 photos. 20 illus. Very Good condition. Scarce. \$40.00

326. WALKER, R.C. AND LANCE, T.M.C.; Photoelectric Cell Applications . 2nd edition, 1935. A practical book describing the uses of photoelectric cells in scanning disc television, talking pictures, etc. Contains many photos and illust. concerning the application and development of the photocell. An early book on the subject. 245 pages. 80 photos. 142 illus. Very Good condition. Scarce. \$40.00

327. WATSON-WATT, R.A.; Applications of The Cathode-Ray Oscillograph in Radio Research . 1st edition, 1933. A very early book on the CRT, this is the first time we've had a copy of the 1933 printing. It describes the technical properties and practical operation of television at the dawn of a new era. Written by the father of radar, it includes a nice history and bibliography. 290 pages. 17 photos. 111 illus. Very Good condition. Rare. \$95.00

328. WILSON, J.C.; Television Engineering . 1st edition, 1937. An early treatise on the different systems of television transmitting and receiving. Besides a fine chapter on the history of television, others deal with color and stereo TV. The top and bottom of the spine is torn and the front hinge is weak. 492 pages. 50 photos. 226 illus. Good condition. Scarce. \$40.00

329. YATES, RAYMOND FRANCIS; ABC Of Television Or Seeing By Radio . 1st edition, 1929. A complete and comprehensive treatise outlining the theory, construction, and operation of television receivers. This book includes a brief history and a full description of scanning disc tv as well as the earliest full portrayal of cathode ray television. The spine has a rubbed area, otherwise a perfect copy. 210 pages. 21 photos. 78 illus. Very Good condition. Rare. \$155.00

330. ZWORYKIN, V., WILSON, E.D.; Photocells And Their Application . 2nd edition, 1932. This very important volume was originally published in 1930, the first book-length treatise done on the subject. Areas covered include the history, method of production, selenium, scanning disc television, and the future. 331 pages. 180 illus. Very Good condition. Scarce. \$45.00

VACUUM TUBES

331. ARGUIMBAU, LAWRENCE B.; Vacuum Tube Circuits . 1st edition, 1952. This book is intended for those who have studied the physics of vacuum tubes and would like to use that knowledge in designing and building various circuits. Audio power amplifiers are discussed in detail, as well as feedback and RF circuit arrangements. 668 pages. 548 illus. Very Good condition. Scarce. \$35.00

Vacuum Tubes

332. BABANI, BERNARD B.; International Radio Tube Encyclopedia . 2nd edition, 1954. This ultimate encyclopedia contains more than 18,000 tube references. Comprehensive data on receiving, transmitting, cathode ray, thyratrons and magnetrons are included in this "Mother Of All Tube Manuals". This edition even contains a section titled: "Rare tubes and their equivalents". 510 pages. Very Good condition. Rare. \$95.00

333. BANGAY, R.D.; The Oscillation Valve . 1st edition, 1919. An early treatise on the vacuum tube. Covered are the Fleming Valve, Three Electrode Valve, and the application of the Three Element Vacuum Tube to wireless receiving and transmitting. A nice copy of a hard to find book. 215 pages. 110 illus. Very Good condition. Scarce. \$45.00

334. BRANS, P.H.; Radio Tube Vade Mecum 1948 . 7th edition, 1948. This is the international radio tube bible, endeavouring to describe the data and characteristics for every known type of valve in the world. A highly sought after reference volume, it even includes the rarely seen 72 page supplement separately published later on in 1948. In nice condition, get it while it's hot! 412 pages. Very Good condition. Rare. Softcover. \$125.00

335. BUCHER, ELMER E.; Vacuum Tubes in Wireless Communication . 1st edition, 1919. This popular book was one of the first published concerning the development and application of vacuum tubes used in wireless. Contains information on regenerative receivers and continuous wave circuits, as well as its use in amplification. 202 pages. 148 illus. Very Good condition. Uncommon. \$25.00

336. CHAFFEE, E.L. AND OTHERS; Electronic Circuits and Tubes . 1st edition, 1947. A large volume written by the electronics training staff of the Cruft Laboratory at Harvard University. This book presents the basic theory and applications of electronic tubes and and their related electric circuits. 994 pages. 824 illus. Very Good condition. Scarce. \$25.00

337. DEFOREST, LEE; The Audion: A New Receiver For Wireless Telegraphy . 1st edition, 1906. This is Lee DeForest's first disclosure of the discovery of the audion presented as a 45 pg. article in the 1906 bound volume of the American Institute of Electrical Engineers (IEE). A number of illustrations are included, complementing the text to produce a fine copy of a very development in wireless communications. 952 pages. Very Good condition. Rare. \$115.00

338. EASTMAN, AUSTIN V.; Fundamentals Of Vacuum Tubes . 2nd edition, 1942. This extensive text deals with thermionic tubes, RF and AF amplifiers, and their associated circuits. Included is much on tube theory and application, as well as many illustrations. 583 pages. Very Good condition. Common. \$20.00

339. EISLER, CHARLES; The Million Dollar Bend . 1st edition, 1960. This is the autobiography of the benefactor of the radio tube and lamp industry. A story of rags to riches, it sums up the life of the man responsible for the design of the machine which creates the "tipless stem" exhaust method for radio tubes & light bulbs. Includes many photos of radio tube manufacturing machines. Signed by Charles Eisler! 315 pages. 128 photos. 100 illus. Very Good condition. Very Rare. \$95.00

Vacuum Tubes

340. FINK, DONALD G. AND MCKENZIE, ALEXANDER A.; **Electronic Engineers' Handbook** . 1st edition, 1975. A large compilation of essential principles, data, and design information for components, circuits, equipment, and systems relating to electronics engineering. A companion to the Standard Handbook for Electrical Engineers, it includes 340 tables, 2000 illustrations, and 2500 bibliographic entries. THE book for the circuit designer! 2130 pages. 999 illus. Fine condition. Uncommon. Dust Jacket. \$45.00

341. HENNEY, KEITH; **Electron Tubes In Industry** . 2nd edition, 1937. This extensive text deals with thermionic tubes, amplifiers, light-sensitive tubes and applications, cathode-ray tubes, and miscellaneous tubes and circuits. Each chapter has its own bibliography. 539 pages. 400 illus. Very Good condition. Common. \$20.00

342. KOLLER, L.R.; **The Physics of Electron Tubes** . 2nd edition, 1937. A presentation of the fundamental physical phenomena involved with the operation of electron tubes. The author was a member of the Research Labs at General Electric Co. An excellent book for the tube freak. A nice tight copy, there is a small tear in the front blank endpaper, and a small corner is torn off the rear blank enpaper, Ex-library. 234 pages. 84 illus. Good + condition. Scarce. \$30.00

343. MORECROFT, JOHN H.; **Electron Tubes And Their Applications** . 1st edition, 1933. This was the finest work on vacuum tubes done up to the time. All areas are covered, including the theory, and use as an amplifier, rectifier, oscillator, and photocell as well as with television and a variety of other applications. 458 pages. 536 illus. Very Good condition. Uncommon. \$25.00

344. PETERS, LEO JAMES; **Thermionic Vacuum Tube Circuits** . 1st edition, 1927. An excellent technical treatise dealing with the application of vacuum tubes in audio and RF circuits. 256 pages. 81 illus. Very Good condition. Uncommon. \$15.00

345. RCA TUBE DEPARTMENT; **RCA Receiving Tube Manual** . 30th edition, 1975. This is RCA's type RC 30 tube manual, which contains a vast amount of information on the technical data of most receiving tubes. We have a large selection of RCA tube manuals from RC 12 through RC 30, as well as other large & desirable tube manuals- Just Ask! 760 pages. Very Good condition. Common. Softcover. \$50.00

346. REICH, HERBERT J.; **Theory And Applications Of Electron Tubes** . 2nd edition, 1944. Primarily a text for college students, this book should also prove valuable to engineers as a reference work. Its foundation is in the fundamental principles and analysis of electron tubes & their applications. Contains much on voltage, current and audio power amplifiers. Includes hundreds of illustrations and diagrams. 716 pages. Very Good condition. Uncommon. \$20.00

### Vacuum Tubes

347. SCOTT-TAGGART, JOHN; Thermionic Vacuum Tubes In Radio Telegraphy And Telephony . 1st edition, 1921. Covering all aspects of the vacuum tube, this is one of the earliest treatises written on the subject. Profusely illustrated, both receiving and CW transmitting tubes and their associated circuits are well defined. There is even an entire chapter devoted to the 2-element Fleming valve! The back cover has a slight crease. From IEEE Library. 424 pages. 344 illus. Good + condition. Scarce. \$75.00

348. SEELY, SAMUEL; Electron-Tube Circuits . 2nd edition, 1958. This comprehensive volume developed from a series of courses taught by the author on tube circuits used during WWII. It covers fundamental properties and applications, with an emphasis on audio amplification as well as a variety of other areas including radar. Ex-Library. 695 pages. 547 illus. Very Good condition. Scarce. \$20.00

349. STOKES, JOHN W.; 70 Years Of Radio Tubes And Valves . 1st edition, 1982. This book outlines the evolution of the vacuum tube, both domestic and foreign. Profusely illustrated with hundreds of photos and illus., it is a perfect companion to the Saga Of The Vacuum Tube by Gerald Tyne. This hardcover edition includes a dust jacket. 247 pages. Very Good condition. Common. \$35.00

350. SYLVANIA CO.; Sylvania Tube Manual . 1st edition, 1959. This tube manual is contained in leatherette covers and has hundreds of pages covering receiving tubes, special purpose and cathode-ray tubes. Very Good condition. Uncommon. \$15.00

351. TERMAN, FREDERICK E.; Electronic and Radio Engineering . 4th edition, 1955. This book presents a comprehensive treatment of important vacuum tube and radio phenomena. Chapters include information on circuit theory, voltage and power amplifiers, feedback, and distortion. A "must have" for the vacuum tube circuit designer. 1078 pages. Very Good condition. Uncommon. \$40.00

352. TOMER, ROBERT B.; Getting The Most Out of Vacuum Tubes . 1st edition, 1960. This book sheds light on little known information concerning the use of vacuum tubes, such as various types of failures, both degenerative and catastrophic, as well as characteristic variables and selection of premium types. Predicting tube performance, using tube testers and methods for lengthening tube life is also covered. Nice! 160 pages. 28 illus. Fine condition. Scarce. Dust Jacket. \$30.00

353. TUNG SOL MFG.; Tung-Sol Tube Manual (2 Volumes) . 1st edition, 1955. This large 2 volume set of loose-leaf pages contains the technical data for most receiving tubes. Typical operating conditions and characteristics are covered, as well as the curves used in certain circuit applications. 1500 pages. 999 illus. Very Good condition. Scarce. \$175.00

Vacuum Tubes

354. TYNE, GERALD F. J.; *Saga Of The Vacuum Tube* . 1st edition, 1977.  
This is the first printing of the most important work on the history of  
the vacuum tube. Profusely illustrated with many photos of common and very  
rare tubes, this has become the collector's standard when seeking info on  
an unusual glass piece. 494 pages. Very Good condition. Uncommon.  
Softcover. \$35.00

355. VALLEY, GEORGE E. AND WALLMAN, HENRY; *Vacuum Tube Amplifiers* .  
1st edition, 1948. THE FAMOUS BOOK on vacuum tube amplifiers, discussing  
the principles of circuit design used in linear and non-linear amplifiers.  
It represents a compilation of work done by many in cooperative research,  
covering the subject extensively. 743 pages. 475 illus. Very Good  
condition. Scarce. \$95.00

356. VARIOUS; *Collection of Vacuum Tube Manuals and Catalogs* . 1st  
edition, 1960. A collection of various catalogs & manuals all contained in  
a full loose-leaf binder. The booklets cover transmitting, receiving,  
power, special purpose and industrial types. Companies include RCA,  
Sylvania, Amperex, General Electric and Eitel-McCullough. 170 pages. Very  
Good condition. Scarce. Softcover. \$55.00

357. W.E. CO.; *Western Electric Vacuum Tubes* . 1st edition, 1940. This  
bulletin covers the Western Electric Type 300A, 304B, 305A, 307A and Type  
316A vacuum tubes. It contains technical data and characteristics  
including operating conditions, graphical analysis and applications. 38  
pages. 41 illus. Very Good condition. Scarce. Softcover. \$25.00

WIRELESS BOOKS<1920

358. 25 RADIO EXPERTS; *How To Make Wireless Receiving Apparatus* . 2nd  
edition, 1916. This neat book contains construction details and directions  
for making a number of wireless receiving instruments, including a magnetic  
detector(!), coherer receiver, crystal receiver, mechanical amplifier,  
loose coupler, wavemeter, etc.. Published by The Experimenter Publishing  
Co. (Gernsback) 100 pages. 90 illus. Very Good condition. Rare. Softcover.  
\$65.00

359. ASHLEY, CHARLES AND HAYWARD, CHARLES; *Wireless Telegraphy and Wireless  
Telephony* . 2nd edition, 1916. An understandable presentation of  
the science of wireless transmission of intelligence. Includes some very  
early photos and illustrations of wireless equipped airplanes, and many of  
different systems of wireless telegraphy. Though the covers are very worn,  
the spine is starting to separate and a few pages are soiled, it is a rare  
title! 141 pages. 7 photos. 90 illus. condition. Rare. \$35.00

360. BANGAY, R. D.; *The Elementary Principles of Wireless Telegraphy* .  
1st edition, 1916. A complete treatise including all facets of wireless  
telegraphy and its associated circuits. Theory, practice and application  
are to be presented in a form easily understood by the layman. A rarely  
seen copy of the first printing, with the green covers. 160 pages. 86  
illus. Very Good condition. Scarce. \$30.00

Wireless Books<1920

361. BATCHER, RALPH; *Prepared Radio Measurements* . 1st edition, 1921.  
A Wireless Press edition, companion to the other popular wireless books, including Bucher's Practical Wireless Telegraphy etc. It was written to remove the guesswork from determining electrical and geometrical constants for radio instruments and appliances. Contains many self-computing charts. 138 pages. Very Good condition. Scarce. \$30.00

362. BOTTONE, S.R.; *Wireless Telegraphy and Hertzian Waves* . 2nd edition, 1901. An exceedingly rare copy of one of the earliest treatises on wireless telegraphy. Containing many illustrations of primitive wireless gear, even Tesla's wireless boat is shown. Included is an excellent history on the subject. A very nice copy of an important book published at the dawn of wireless. 123 pages. 37 illus. Very Good condition. Rare. \$165.00

363. BUCHER, ELMER E.; *The Wireless Experimenter's Manual* . 2nd edition, 1920. This work describes the design of wireless transmitting and receiving apparatus; their circuits & tuning along with many other special features. Included are numerous illustrations, diagrams and photos of early wireless gear. 341 pages. 273 illus. Good + condition. Common. \$20.00

364. BULLARD, CAPTAIN W.H.G.; *Naval Electricians' Text Book, Volumes I and II* . 4th edition, 1917. Volume I highlights the theory behind wireless telegraphy. It contains chapters on wireless apparatus, especially describing and illustrating the WSA IP-76 and Cohen Type A receivers. Vol. II concentrates on the practical applications of motors, telephone systems, and fire control systems. A very clean example of this important set. 1386 pages. 842 illus. Very Good condition. Scarce. \$85.00

365. COLLINS, FRANCIS A.; *The Wireless Man; His Work and Adventures On Land And Sea* . 1st edition, 1912. A very informative work on the subject of wireless, written primarily for the layman, but containing useful hints for the wireless operator. Illustrated with many close up photos of early equipment, and stations, mostly United Wireless Co. and Marconi Wireless Co.. 251 pages. 32 photos. condition. Rare. \$45.00

366. COURSEY, PHILIP R.; *The Wireless Telephone; What It Is and How It Works* . 1st edition, 1922. A seldom seen volume covering the art of wireless telephony, complete with many photos and illustrations of early British wireless apparatus. Included are directions for building a simple receiver for use in wireless telephone broadcasts. The cover is faded. 113 pages. 49 illus. Good + condition. Scarce. \$45.00

367. ECCLES, W.H.; *Wireless Telegraphy and Telephony* . 2nd edition, 1918. This book is a classified collection of information and data as known up to WWI. Contains 434 photos and illustrations, including many rare photos of wireless equipment and stations. A desireable book by a very knowledgeable author. Slight wear to the spine. 514 pages. 434 illus. Good + condition. Scarce. \$75.00

Wireless Books<1920

368. EDELMAN, PHILIP E.; **Experimental Wireless Stations** . 3rd edition, 1922. The theory, design, construction and operation of experimental wireless stations including wireless telephony and quenched spark systems are well discussed and illustrated. Both receivers and transmitters are covered, explaining crystal and tube circuits. 392 pages. 167 illus. Good + condition. Scarce. \$20.00

369. ERSKINE-MURRAY, JAMES; **A Handbook of Wireless Telegraphy** . 2nd edition, 1909. An excellent history & overview on the subject of wireless telegraphy. Many early systems in use at the time, including Marconi, Fessenden, Lodge-Muirhead, Telefunken, and DeForest are thoroughly described. A very nice copy of an exceedingly scarce book. 370 pages. 181 illus. Very Good condition. Very Rare. \$175.00

370. FLEMING, J.A.; **An Elementary Manual of Radiotelegraphy and Radiotelephony** . 1st edition, 1908. This is an abridged version of Fleming's famous book; Electric Wave Telegraphy. Written for the experimenter, student, and wireless operator, it is a much sought after first edition, containing many photos of early equipment and stations. The front and rear covers are spotted, otherwise this is a nice tight copy. 340 pages. Good + condition. Rare. \$85.00

371. FLEMING, JOHN AMBROSE; **The Principles of Electric Wave Telegraphy and Telephony** . 4th edition, 1919. This famous work of Fleming presents an overview of wireless up to WWI, including 198 pages on high-frequency currents and oscillations. depicted are hundreds of photos and illustrations, many showing early stations and wireless equipment. 707 pages. Good + condition. Rare. \$135.00

372. FLEMING, JOHN AMBROSE; **Waves & Ripples In Water, Air & Ether** . 1st edition, 1923. This book explains the practical use of ether waves in wireless telegraphy, and gives an experimental treatment of such. Helmholtz's and Hertz's theories are well explained in a non - mathematical account. Written by one of the most important researchers in the history of wireless, this is a beautiful copy. 299 pages. 84 illus. Very Good condition. Rare. \$65.00

373. GERNSBACK, HUGO; **The Wireless Telephone** . 1st edition, 1910. A rarely seen treatise on the low power wireless telephone, describing the different systems then in use. The cover contains a nice illustration of an early wireless telegraph station. This is book #2 of Gernsback's Electric Library. The cover is moderately worn. 78 pages. 51 illus. Good + condition. Rare. Softcover. \$75.00

374. GOLDSMITH, ALFRED N.; **Radio Telegraphy** . 1st edition, 1918. An excellent treatise on the subject of wireless telephony. This early work encompasses the Poulson Arc, Alexanderson, and DeForest systems as well as many others. Profusely illustrated with over 100 photos of early wireless apparatus. 247 pages. 110 photos. 116 illus. Very Good condition. Scarce. \$25.00

Wireless Books<1920

375. GOVERNMENT PRINTING OFFICE; Emergency War Training for Radio Mechanics and Radio Operators . 1st edition, 1918. This is designated as Bulletin No. 16, dated September 1918. Issued during the height of WWI, this booklet aided the training schools in preparing the conscripted man the opportunity to obtain some experience in the field before being called. First time we've seen this title, the staples are rusted but the rest of the booklet is fine 74 pages. 10 illus. Good + condition. Rare. Softcover. \$45.00

376. HARRIS, PERCY W.; The Maintenance of Wireless Telegraph Apparatus . 1st edition, 1917. A rarely seen book prepared for wireless telegraph operators during WWI. Included are many photos of early Marconi apparatus, such as 1/2 KW Transmitter, Marconi Type 16 Crystal Set, No.18, No.26, No.31, with schematics and service information for others. 127 pages. 22 photos. 30 illus. Very Good condition. Rare. \$95.00

377. HARRISON, NEWTON; Wireless Telephone Construction . 1st edition, 1913. A comprehensive explanation of the making of wireless telephone equipment. Transmitting and receiving and stations are fully explained with details of construction sufficient to give an intelligent reader an excellent start in building a wireless telephone system. The first book on wireless telephone construction. 74 pages. 43 illus. Very Good condition. Rare. \$65.00

378. HAWKHEAD, J.C. & DOWSETT, H.M.; Handbook Of Technical Instruction For Wireless Telegraphists . 2nd edition, 1918. An excellent book covering all phases of wireless telegraphy used in commercial applications. Illustrated with Marconi gear, complete instructions are given in the use of their equipment. This book includes most of the information needed for Marconi operators. 310 pages. 242 illus. Very Good condition. Rare. \$75.00

379. HERTZ, HEINRICH; Electric Waves . 1st edition, 1893. Being researches on the propagation of electric action with finite velocity through space. This epochal work by Hertz paved the way for Lodge and Marconi to discover practical wireless telegraphy. The spine and endpapers have been replaced, with the originals laid on. Exceedingly rare, for the advanced collector. Ex- U.S. Army Library. 278 pages. 40 illus. Good + condition. Extremely Rare. \$240.00

380. HOWGRAVE-GRAHAM, R.P.; Wireless Telegraphy For Amateurs . 3rd edition, 1913. A handbook on the principles of radiotelegraphy and the construction and operation of apparatus for short distance transmission. Contains a nice chapter on the Poulsen system of wireless transmission, along with many illustrations and photos on early equipment I've never seen before. A very nice copy. 186 pages. 51 illus. Very Good condition. Rare. \$95.00

381. HOYLE, BERTRAM; Standard Tables And Equations In Radio Telegraphy . 1st edition, 1919. This book extends the scope of the number of equations and tables which were given in the "Marconi Yearbook Of Wireless Telegraphy", adding numerous tables and equations facilitating calculations occurring in the subject of wireless telegraphy. From the Teleglobe Canada Library. 159 pages. Very Good condition. Scarce. \$20.00

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382. KENNELLY, A.E.; *Wireless Telegraphy*. 1st edition, 1906. An excellent well-known treatise on wireless telegraphy, as well as primitive forms of wireless telephony. Many illustrations of early equipment are shown. A 1st edition is rarely found, especially in such fine condition. From the IEEE Library. 211 pages. 66 illus. Very Good condition. Rare. \$125.00

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385. MARCONI WIRELESS TELEGRAPH COMPANY; *The Yearbook of Wireless Telegraphy - 1915*. 1st edition, 1915. This is the third yearbook published by Marconi Co., which contains an excellent record of the development of wireless from 1831-1915. Included are many photos of wireless gear and stations & info on early companies. A large wireless map of the world folds out in rear. 800 pages. Very Good condition. Rare. \$90.00

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388. MORGAN, ALFRED P.; *Wireless Telegraph Construction For Amateurs*. 1st edition, 1910. This book contains the practical information for those wireless amateurs who wished to build their own apparatus. Clear drawings and practical hints make this an excellent book for the home brew enthusiast. Spark xmitters and Crystal sets are covered in depth. 188 pages. 147 illus. Very Good condition. Rare. \$75.00

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390. ROBISON, CAPT. S.S.; Robison's Manual Of Radio Telegraphy And Telephony 1918 . 4th edition, 1918. Originally designed for the use of the naval electrician, the manual provides an in-depth description of the art of wireless telegraphy during WWI. Contains many illustrations and photos of apparatus in use at that time. 256 pages. 30 photos. 121 illus. Very Good condition. Scarce. \$30.00

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396. ZENNECK, DR. J.; Leitfaden Der Drahtlosen Telegraphie . 1st edition, 1909. This is Zenneck's 2nd book, the first one we've seen. Containing many photos of early receivers and transmitters and related items, the text is in German. A very thorough study on the art, probably the most important to grace a German Wireless man's bookshelf. 384 pages. 332 illus. Good + condition. Very Rare. Softcover. \$165.00

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